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BUILDING DESIGN & CONSTRUCTION

JULY 1988

Twelfth annual Design/Construct 300: Top firms buoyant despite industry's rough water

Technology: Plugging discounts into the lighting specification process

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BD&C's 12th ANNUAL DESIGN/CONSTRUCT 300

BD&C's survey of the top 300 design and construction firms in the U.S. provides an overview of industry trends as well as a report on the leading firms in the industry. The presentation is divided into three parts: an article summarizing this year's results, an index providing a glance at each firm in the survey and a listing by category with detailed information on each firm.

Top firms are buoyant despite industry's rough weather

By Christopher Olson, Managing Editor

The 300 firms responsible for the largest shares of building design and construction in the United States are showing surprising resiliency at a time when the overall trend in construction spending has been downward.

This is the conclusion that can be drawn from the results of the Design/Construct 300, *BD&C*'s annual survey of design and construction firms. The survey reports on the activity of 300 firms in eight different categories: Architects, Architect/Engineers, Engineer/Architects, Engineers, Design/Builders, General Contractors, Construction Managers and Specialty Contractors. This year the 300 firms reported that revenues derived from the design and construction of commercial, institutional and industrial (CII) buildings rose an average of 12 percent during 1987, from $26.5 billion to $29.7 billion. The 300 firms that ranked in last year's survey reported a collective decline of 6 percent for 1986.

Although the 12 percent average increase does not reflect the wide variation reported among different categories, the survey indicates, nonetheless, that many of the country's largest firms are prospering and have even increased their revenues during 1987. Among the designers, for example, the 60 firms included in this year's Architect/Engineers category collectively showed a 4 percent increase in their CII billings for 1987, while the 40 Architects reported a 1 percent increase. The group of 50 firms in the Engineer/Architects category posted an average gain of 19 percent. Excluding the fluctutating billings of megafirms Fluor Daniel and United Engineers & Constructors, both of which have undergone recent restructurings, the Engineers showed an increase of roughly 12 percent in their billings for 1987. The value of the construction put in place during 1987 by the 50 General Contractors increased by nearly 11 percent, while that by the 30 Design/Builders rose by nearly 15 percent.

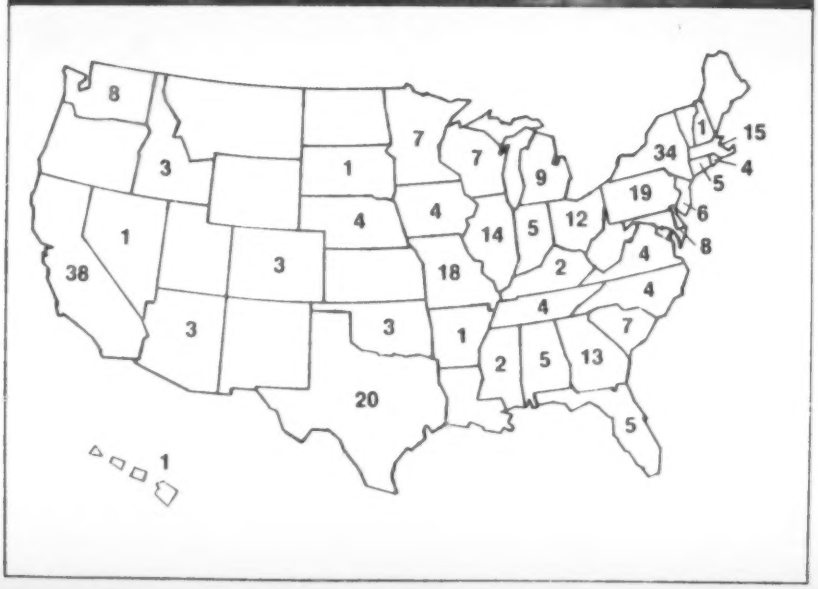
What explanation can there be for such increases, at a time when many markets are shouldering staggering vacancy rates and economists inform us that construction spending during 1987 was down anywhere from 10 to 20 percent nationally?

No single explanation can account for these increases, but a major contributing factor is growth in the institutional market, a varied segment of the industry that includes health care, criminal justice facilities, schools and especially school renovation, convention centers and military-related facilities. Firms that have been able to capture a share of this work are doing well. An example is Omaha-based architect/engineer HDR Inc., which has specialty divisions devoted to both health care and criminal justice facilities. Although the firm has seen a decline in its commercial and industrial work, these two divisions are thriving. "We don't see the industrial or the commercial markets growing," said HDR president Lawrence Hawthorne. "But our institutional work is very strong, and it seems to be immune from concerns about the economy and the upcoming [presidential] election."

The results of *BD&C*'s survey bear out the increase in institutional work for many firms. As a group, the Architect/Engineers reported an 8 percent increase in billings for institutional projects during 1987, the Architects 5 percent, and the Engineer/Architects 32 percent. In six of the eight categories, the rate of increase for institutional work was stronger than that for either commercial or industrial work.

A second and broader reason, however, for the health of the top firms is that both short- and long-term trends in the

Where to Find the 300



Percentage of Reconstruction and Public Work in Total Volume

Category	Reconstruction	Public
Architects	20%	12%
Architect/ Engineers	22%	24%
Engineer/ Architects	27%	35%
Engineers	30%	21%
Construction managers	15%	17%
Design/builders	24%	17%
General contractors	14%	21%
Specialty contractors	29%	14%

industry are tending to favor large, diverse firms over smaller firms with more general practices.

For the short term, diversification means that a large firm can compensate for the drag of soft demand in some services with the counterweight provided by other professional services. "It helps to be diversified," says Mary DeBold, vice president of marketing for Hellmuth, Obata & Kassabaum. Although DeBold concedes that work is down significantly in some areas, others such as interior design, health care and criminal justice facilities are taking up the slack. Demand for facility programming services is also up.

A longer view of diversification, however, is that some clients, particularly manufacturers and other industrial clients, require an ever-wider range of specialized skills and experience to wring the last drop of productivity from their facilities, and this trend plays into the hands of larger firms. "We find that clients really are taking manufacturing productivity to heart, and that it's not just hoopla that you read about in the papers," says Bruce Dell, director of marketing services for engineer/architect Lockwood Greene. The pharmaceutical, the food and beverage, and the microelectronics industries are examples of fiercely competitive businesses in which clients demand the most efficient facilities available.

As the planning process for industrial facilities becomes more complicated, clients tend to seek firms with the varied specialties needed for their projects. "These buildings are truly designed from the inside out," Dell notes, pointing out that the engineer/architect is involved earlier and more extensively in the planning stage and the specifics of the client's business. Moreover, the engineer/architect's services are more likely to be required after a high-tech, automated facility is completed in order to maintain and modify the facility as well as to train the client's personnel in its operation.

Even small start-up firms, such as those in the booming biotech industry, may favor large design firms, although not necessarily for the same reasons. A young firm often builds its future on a new and proprietary process or product which it is rushing to the marketplace. In this case, the firm may not want to involve the building engineer with its new development, Dell said. However, it might still seek the varied expertise of a large firm as a means of quickly exploring alternatives in terms of design and delivery.

"It's possible that mid-sized firms without distinct specialties will be the industry's sacrificial lambs in the 1990s," observed HDR's Hawthorne, pointing to the fact that small, highly specialized firms as well as the large diverse firms are likely to be most competitive in the future.

CMs record the greatest gain

In this year's survey the group reporting the sharpest jump in work was the Construction Managers. Excluding the enormous billings reported by Fluor Daniel, a new addition to the group, the remaining nine members of this category posted an average 26 percent increase over the top nine firms a year ago. One factor cited for this increase was the downsizing of in-house corporate facilities staffs. A second factor, according to marketing vice president Warner Peck of Huber, Hunt & Nichols, is a trend toward the use of CM during the design phase by owners who subsequently put their projects out for lump-sum bid.

The Construction Managers are very optimistic about their prospects for the current year — nine out of 10 expect revenues from U.S. projects to climb higher in 1988. But then the 300 firms in the survey generally share the optimism, with 68 percent anticipating increases this year, a figure that compares to only 61 percent a year ago. △

Methods Used to Rank the 300

BD&C's Design/Construct 300 consists of the firms that designed and/or constructed the largest volumes of commercial, institutional and industrial (CII) buildings in the United States during 1987. These 300 firms are divided into eight categories: Architects (40 members), Architect/Engineers (60), Engineer/Architects (50), Engineers (40), Design/Builders (30), General Contractors (50), Construction Managers (10), and Specialty Contractors (20).

Design firms are ranked on the basis of billings for design and planning services performed by their own staffs during 1987 or the most recently completed fiscal year. Contracting firms and design/builders are ranked on the value of construction put in place during 1987 for which they were contractually responsible. Construction managers are ranked on the basis of the fees earned rather than on the value of the construction that they managed. Several firms are listed in more than one category if the volume of their work in more than one discipline was great enough to qualify them.

Every effort is made to exclude pass-through billings and revenues unrelated to CII buildings, such as roads, bridges and dams. Revenues derived from utility plants, process plants, water and waste treatment plants and single-family housing are also excluded.

To compile the data included in the survey, *BD&C* mails a questionnaire each year to approximately 1,500 firms. In cases where *BD&C* was unable to obtain a response to the questionnaire from a firm, CII revenues were estimated. Any such estimates are noted in the individual report given for each firm in the survey.

How to Read the Design/Construct 300

Current rank
Organization name
Previous rank
Organization address
Officers in charge of design & construction
6
(6)
$41.86
RTKL Associates Inc.
400 E. Pratt St.
Baltimore, MD 21202
(301) 528-8600
Harold L. Adams, Chmn.
Joseph Scalabrin, Vice Chmn.
George J. Pillorge, Vice Chmn.
Staff numbers 550, with 220 registered architects. Ongoing projects include the 1.3 million-sq.-ft. Shopper's World in Framingham, Mass., and the 500,000-sq.-ft. Bank of Baltimore Building in Baltimore, Md. RTKL has offices in Fort Lauderdale, Los Angeles, Baltimore, Dallas and Washington, D.C. Activity was 25 percent reconstruction and 15 percent governmental.
CII volume (millions)
News of the firm

12th ANNUAL DESIGN/CONSTRUCT 300 AT A GLANCE

The alphabetized index of all firms in the Design/Construct 300 conveys vital data in a concise manner. These data include firm name, headquarters location and survey category; page number where an individual entry can be found that provides recent news of each firm; current rank; previous rank (if listed) from last year's survey; revenues in millions of dollars from commercial, institutional and industrial (CII) projects; and, finally, a breakdown of CII work and other work as a percentage of each firm's total income.

Design/Construction 300

Legend

(A) Architects (GC) General Contractor
(AE) Architect-Engineer (CM) Construction Manager
(EA) Engineer-Architect (DB) Design/Builder
(E) Engineer (SC) Specialty Contractor

Name, city, state, category	Page number	Current rank	Previous rank	CII revenues (in millions)	Commercial %	Institutional %	Industrial %	Other %
AMCA Int'l Construction Corp., Tupelo, Miss. (DB)	107	23	—	48.00	12	15	73	0
AMCA Int'l Construction Corp., Tupelo, Miss. (GC)	122	48	—	125.00	12	15	73	0
J.S. Alberici Construction Co., St. Louis, Mo. (GC)	118	13	11	455.00	10	20	60	10
Algernon Blair Int'l, Montgomery, Ala. (GC)	122	49	47	123.05	40	50	8	2
Allen & Hoshall, Memphis, Tenn. (EA)	92	43	45	6.00	10	20	20	50
The Alter Group, Wilmette, Ill. (DB)	107	15	—	101.51	62	0	12	26
American Medical Buildings Inc., Milwaukee, Wis. (DB)	108	25	30	46.75	0	100	0	0
Anderson DeBartolo Pan Inc., Tucson, Ariz. (AE)	80	30	34	12.46	10	50	40	0
Anderson-Nichols & Co. Inc., Boston, Mass. (EA)	92	49	47	5.26	10	5	50	35
Anson Industries Inc., Melrose Park, Ill. (SC)	126	8	7	96.00	70	10	20	0
The Architects Collaborative Inc. (TAC), Cambridge, Mass. (A)	70	8	14	14.96	53	36	2	9
Austin Commercial Inc., Dallas, Texas (GC)	120	30	—	215.80	90	0	10	0
The Austin Co., Cleveland, Ohio (DB)	105	1	2	719.58	27	6	50	17
BE&K Inc., Birmingham, Ala. (E)	98	8	14	20.40	5	0	80	15
BE&K Inc., Birmingham, Ala. (DB)	106	13	16	105.00	5	0	80	15
BE&K Inc., Birmingham, Ala. (GC)	117	6	6	719.15	5	0	80	15
BEI Associates Inc., Detroit, Mich. (EA)	90	30	30	9.60	10	35	35	20
BSHA Inc., San Diego, Calif. (AE)	83	55	—	6.50	50	20	20	10
Kenneth Balk & Associates, St. Louis, Mo. (AE)	83	53	56	6.65	55	15	25	5
The Ballinger Co., Philadelphia, Pa. (AE)	82	46	48	8.19	25	35	30	10

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Name, city, state, category	Page number	Current rank	Previous rank	CII revenues (in millions)	Commercial %	Institutional %	Industrial %	Other %
Bank Building & Equipment Corp., Sunset Hills, Mo. (DB)	107	19	13	76.16	95	5	0	0
Barge, Waggoner, Sumner & Cannon, Nashville, Tenn. (EA)	90	26	40	10.42	20	10	30	40
Barton-Malow Co., Detroit, Mich. (CM)	114	8	—	58.50	10	45	35	10
Bechtel Group Inc., San Francisco, Calif. (E)	98	9	4	20.40	1	1	4	94
Bechtel Group Inc., San Francisco, Calif. (DB)	106	9	7	142.20	3	2	1	94
Bechtel Group Inc., San Francisco, Calif. (CM)	113	5	10	62.35	43	39	18	0
Beers Inc., Atlanta, Ga. (GC)	122	43	—	135.26	40	60	0	0
Belcan Corp., Cincinnati, Ohio (EA)	88	8	8	40.00	3	0	97	0
Bellemead Development Corp., Roseland, N.J. (DB)	107	16	8	93.89	90	0	5	5
The Benham Group, Oklahoma City, Okla. (EA)	89	17	15	17.78	10	20	35	35
Bennett-Ringrose-Wolsfeld-Jarvis-Gardner, Minneapolis, Minn. (EA)	91	40	31	6.10	30	10	0	60
Beyer Blinder Belle, New York, N.Y. (A)	70	9	25	14.65	39	20	0	41
Black & Veatch, Kansas City, Mo. (E)	97	6	6	28.49	2	2	14	82
Blount Construction Group, Montgomery, Ala. (GC)	118	11	8	514.29	19	17	34	30
Bonsignore, Brignati & Mazzotta, New York, N.Y. (A)	73	32	—	8.70	90	10	0	0
Booker Associates Inc., St. Louis, Mo. (EA)	91	34	—	7.52	15	48	10	27
Everett I. Brown Co., Indianapolis, Ind. (AE)	82	44	18	8.24	15	70	15	0
Burns & McDonnell, Kansas City, Mo. (EA)	90	23	26	11.07	5	1	21	73
Burt Hill Kosar Rittelmann Associates, Butler, Pa. (AE)	80	29	50	12.73	56	28	1	15
CHK Architects & Planners, Silver Spring, Md. (A)	72	26	30	9.30	86	5	0	9
CRS Sirrine Inc., Houston, Texas (EA)	87	3	1	109.45	6	24	50	20
CRS Sirrine Inc., Houston, Texas (CM)	113	2	1	122.19	6	24	50	20
CUH2A, Princeton, N.J. (AE)	79	21	23	16.39	30	20	50	0
The Callison Partnership, Seattle, Wash. (A)	70	12	22	14.25	96	2	2	0
The Cannon Corp., Grand Island, N.Y. (AE)	78	12	16	23.75	32	60	3	5
The Carlson Group Inc., Cochituate, Mass. (DB)	105	6	5	156.90	30	30	40	0
Carter & Burgess Inc., Fort Worth, Texas (E)	100	28	22	6.92	29	9	18	44
Centex Corp., Dallas, Texas (GC)	117	5	—	725.00	60	40	0	0
The Clark Construction Group Inc., Bethesda, Md. (GC)	117	3	5	792.75	85	6	2	7
Cleveland Consolidated Inc., Atlanta, Ga. (SC)	126	10	15	84.78	10	5	40	45
Cobbledick-Kibbe Inc., Alameda, Calif. (SC)	127	17	—	35.00	95	5	0	0
Coffman Engineers Inc., Seattle, Wash. (E)	101	37	36	5.85	40	30	20	10
Comstock Group Inc., New York, N.Y. (E)	97	3	9	44.47	0	0	85	15
Comstock Group Inc., New York, N.Y. (SC)	125	7	6	100.20	18	0	10	72
Continental Heller Corp., Sacramento, Calif. (GC)	121	35	—	175.00	39	47	14	0
Cooper Carry & Associates, Atlanta, Ga. (A)	70	14	19	13.20	95	5	0	0
Corporex Cos. Inc., Fort Wright, Ky. (DB)	108	28	—	42.90	54	2	44	0
Cosentini Associates, New York, N.Y. (E)	99	20	18	10.00	60	30	10	0
Cygna Corp., San Francisco, Calif. (E)	97	7	15	24.70	20	35	10	35
DLR Group, Omaha, Neb. (AE)	79	20	25	16.59	30	65	0	5

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(SC) Specialty Contractor

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Leo A. Daly, Omaha, Neb. (AE)	77	7	11	34.96	34	41	6	19
Daniel, Mann, Johnson, & Mendenhall (DMJM), Los Angeles, Calif. (EA)	87	4	4	78.00	27	20	11	42
Day & Zimmermann Inc., Philadelphia, Pa. (EA)	88	7	9	41.71	7	24	38	31
Devcon Construction Inc., Milpitas, Calif. (DB)	107	18	—	81.00	25	0	75	0
Dewberry & Davis, Fairfax, Va. (EA)	88	13	11	32.47	34	11	7	48
Dick Corp., Pittsburgh, Pa. (GC)	121	40	31	154.37	20	10	13	57
Dillingham Construction, Pleasanton, Calif. (GC)	117	7	10	601.04	41	16	6	37
Dimeo Construction Co., Providence, R.I. (GC)	122	45	—	130.00	40	45	15	0
Dinwiddie Construction Co., San Francisco, Calif. (GC)	119	24	21	265.00	100	0	0	0
Donohue, Sheboygan, Wis. (EA)	91	37	42	7.00	5	10	5	80
J.E. Dunn Const. Co., Kansas City, Mo. (GC)	122	44	45	131.06	30	55	1	14
Dynalectric Co., McLean, Va. (SC)	125	2	2	179.19	50	20	15	15
EI Group, East Orange, N.J. (EA)	91	38	48	6.70	20	30	50	0
Eichleay Engineers, Peter F. Loftus Div., Pittsburgh, Pa. (E)	98	15	21	13.60	0	30	55	15
Einhorn Yaffee Prescott, Albany, N.Y. (AE)	81	41	41	8.65	35	45	15	5
Ellerbe Becket, Minneapolis, Minn. (AE)	77	3	8	56.92	60	40	0	0
Ellis Naeyaert Genheimer Associates, Troy, Mich. (AE)	82	43	39	8.44	17	15	37	31
The Emde Cos., Houston, Texas (SC)	125	3	3	137.70	60	20	10	10
A. Epstein and Sons Inc., Chicago, Ill. (EA)	88	9	7	39.90	25	10	60	5
Marshall Erdman & Assoc., Madison, Wis. (DB)	107	17	17	90.00	0	100	0	0
Ewing Cole Cherry Parsky, Philadelphia, Pa. (AE)	80	26	28	13.72	21	39	16	24
Fanning/Howey Associates, Celina, Ohio (AE)	83	58	—	5.54	0	99	1	0
Fischbach Corp., New York, N.Y. (SC)	125	1	1	413.10	22	20	10	48
The Fisk Group, Houston, Texas (SC)	127	16	16	39.62	50	14	14	22
Flack & Kurtz Consulting Engineers, New York, N.Y. (E)	98	10	8	19.40	48	34	15	3
Flad & Associates Inc., Madison, Wis. (AE)	79	18	22	17.25	25	35	5	35
Fletcher-Thompson Inc., Bridgeport, Conn. (AE)	83	56	53	6.30	40	16	44	0
Fluor Daniel Inc., Greenville, S.C. (E)	97	2	1	60.38	11	5	35	49
Fluor Daniel Inc., Greenville, S.C. (DB)	105	2	1	460.14	11	5	35	49
Fluor Daniel Inc., Greenville, S.C. (CM)	113	1	—	698.00	11	5	35	49
Fluor Daniel Inc., Greenville, S.C. (GC)	118	10	3	516.72	11	5	35	49
Foth & Van Dyke, Green Bay, Wis. (EA)	91	39	43	6.42	15	15	15	55
Fru-Con Construction Corp., Ballwin, Mo. (GC)	119	20	—	318.68	4	4	54	38
GSGSB, Clarks Summit, Pa. (AE)	80	27	26	13.58	77	16	1	6
Gee & Jenson, West Palm Beach, Fla. (EA)	89	18	36	16.00	20	60	20	0
Gensler and Associates, San Francisco, Calif. (A)	69	1	1	46.30	98	2	0	0
Giffels Associates Inc., Southfield, Mich. (EA)	88	10	6	34.40	3	9	86	2
Gilbane Building Co., Providence, R.I. (CM)	114	7	2	58.54	27	60	12	1
Gilbert/Commonwealth Inc., Reading, Pa. (E)	98	12	13	17.79	1	4	6	89
The Grad Partnership, Newark, N.J. (A)	72	25	23	9.33	60	25	0	15

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James N. Gray Construction Co. Inc., Glasgow, Ky. (DB)	107	21	20	64.40	5	0	95	0
John E. Green Co., Highland Park, Mich. (SC)	127	19	17	28.95	15	20	60	5
Greiner Engineering Inc., Irving, Texas (EA)	89	16	17	19.72	10	14	5	71
Gresham, Smith and Partners, Nashville, Tenn. (AE)	79	22	20	16.19	27	56	2	15
Grucon, Milwaukee, Wis. (SC)	127	20	18	27.87	53	15	20	12
Gruen Associates, Los Angeles, Calif. (A)	73	37	—	8.13	97	1	0	2
Guarantee Electrical Co., St. Louis, Mo. (SC)	126	12	20	72.00	65	5	30	0
HCB Contractors, Dallas, Texas (GC)	118	8	9	542.00	92	8	0	0
HDR Inc., Omaha, Neb. (AE)	77	2	2	58.50	20	35	5	40
HTB Inc., Oklahoma City, Okla. (AE)	81	39	55	8.80	27	19	8	46
HWH Architects Engineers Planners Inc., Cleveland, Ohio (EA)	92	41	27	6.10	31	11	58	0
Haines, Lundberg, Waehler (HLW), New York, N.Y. (AE)	78	13	12	22.60	50	15	35	0
Hammel Green and Abrahamson Inc., Minneapolis, Minn. (AE)	80	28	32	12.84	26	62	6	6
Hansen Lind Meyer Inc., Iowa City, Iowa (AE)	78	11	10	25.00	20	70	10	0
Hardin Construction Group, Atlanta, Ga. (GC)	121	41	28	146.56	100	0	0	0
Hardy Holzman Pfeiffer Associates, New York, N.Y. (A)	73	38	—	8.00	10	90	0	0
The Harkins Group, Silver Spring, Md. (GC)	121	37	—	163.87	100	0	0	0
Harley Ellington Pierce Yee Associates, Southfield, Mich. (AE)	80	33	33	11.38	19	47	25	9
Harris Group Inc., Seattle, Wash. (E)	98	16	—	12.87	0	0	78	22
The Haskell Co., Jacksonville, Fla. (DB)	106	12	12	105.30	45	0	50	5
Hayes Large Suckling Fruth & Wedge, Altoona, Pa. (AE)	83	60	52	5.09	2	96	2	0
Hayes, Seay, Mattern & Mattern Inc., Roanoke, Va. (EA)	89	21	—	12.70	10	35	32	23
Heery International Inc., Atlanta, Ga. (AE)	79	19	29	17.00	30	45	14	11
Hellmuth, Obata & Kassabaum Inc., St. Louis, Mo. (AE)	77	4	3	52.48	54	25	10	11
Hensel Phelps Construction Co., Greeley, Colo. (GC)	119	25	29	538.20	40	30	20	10
The Hillier Group, Princeton, N.J. (A)	69	4	5	24.56	48	47	5	1
Hixson Inc., Cincinnati, Ohio (EA)	92	46	—	5.50	50	0	50	0
Holabird & Root, Chicago, Ill. (AE)	82	47	58	8.07	40	50	5	5
Holmes & Narver Inc., Orange, Calif. (EA)	87	2	13	114.08	42	10	40	8
Holmes & Narver Inc., Orange, Calif. (DB)	106	11	—	110.40	42	10	40	8
Howard Needles Tammen & Bergendoff, Kansas City, Mo. (AE)	78	9	9	32.00	50	40	10	0
Huber, Hunt & Nichols Inc., Indianapolis, Ind. (DB)	107	30	14	70.00	35	30	35	0
Huber, Hunt & Nichols Inc., Indianapolis, Ind. (CM)	114	6	8	61.60	35	30	35	0
Huber, Hunt & Nichols Inc., Indianapolis, Ind. (GC)	119	19	15	344.00	35	30	35	0
James Architects & Engineers, Indianapolis, Ind. (AE)	83	59	57	5.23	20	75	0	5
Jaros, Baum & Bolles, New York, N.Y. (E)	98	14	12	15.00	70	30	0	0
Rolf Jensen & Associates, Deerfield, Ill. (E)	101	40	31	5.40	75	15	5	5
Bernard Johnson Inc., Houston, Texas (EA)	89	19	18	15.00	11	28	36	25
Jones Group Inc., Charlotte, N.C. (GC)	117	2	2	1,230.00	76	12	8	4
Jung/Brannen Associates Inc., Boston, Mass. (A)	70	13	16	13.32	87	3	8	2

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KKBNA Inc., Consulting Engineers, Wheat Ridge, Colo. (E)	98	17	—	11.70	50	30	10	10
KPFF Consulting Engineers, Seattle, Wash. (E)	101	39	40	5.76	60	20	10	10
KZF Inc., Cincinnati, Ohio (AE)	82	52	59	6.92	16	61	8	15
Albert Kahn Associates, Detroit, Mich. (AE)	78	14	14	21.00	10	15	75	0
Kallen & Lemelson, Consulting Engineers, New York, N.Y. (E)	100	32	33	6.17	25	60	10	5
Kaplan/McLaughlin/Diaz, San Francisco, Calif. (A)	69	7	10	15.50	—	—	—	—
Keyes Associates, Providence, R.I. (EA)	92	48	—	5.33	22	24	20	34
A.M. Kinney Inc. & Affiliates, Cincinnati, Ohio (EA)	90	24	22	10.92	35	16	40	9
Kitchell Corp., Phoenix, Ariz. (GC)	121	38	50	161.98	50	44	6	0
The Kling-Lindquist Partnership, Philadelphia, Pa. (AE)	78	15	15	20.06	27	7	54	12
Lester B. Knight & Associates Inc., Chicago, Ill. (EA)	89	15	16	20.80	10	20	50	20
The Kober Group, Los Angeles, Calif. (A)	70	11	6	14.30	80	10	10	0
Kohn Pedersen Fox, New York, N.Y. (A)	69	5	7	24.38	90	5	5	0
Koll Construction Co., Newport Beach, Calif. (GC)	119	17	14	405.00	72	5	13	10
Kraus-Anderson Construction Co., Minneapolis, Minn. (GC)	120	28	—	237.00	60	20	20	0
LECO Enterprises Inc., New York, N.Y. (SC)	126	14	10	70.38	29	11	45	15
Langdon Wilson Mumper Architects, Los Angeles, Calif. (A)	71	17	40	11.55	60	35	5	0
Leason Pomeroy Assoc. Inc., Orange, Calif. (A)	72	23	—	9.50	50	30	15	5
Lehr Associates, New York, N.Y. (E)	99	21	19	8.50	50	50	0	0
Lehrer McGovern Bovis, New York, N.Y. (CM)	113	3	4	76.00	60	30	10	0
LeMessurier Consultants, Cambridge, Mass. (E)	99	22	28	8.42	75	23	2	0
H.F. Lenz Co., Johnstown, Pa. (E)	101	35	—	5.90	50	35	15	0
Limbach Constructors Inc., Pittsburgh, Pa. (SC)	125	4	4	123.00	45	0	55	0
Lockwood Greene Engineers Inc., Spartanburg, S.C. (EA)	87	5	3	70.38	15	10	75	0
Loebl Schlossman & Hackl, Chicago, Ill. (A)	71	22	26	9.70	60	25	0	15
Lorenz & Williams Inc., Dayton, Ohio (AE)	83	54	49	6.61	42	30	17	11
Joseph R. Loring & Assoc., New York, N.Y. (E)	100	24	17	8.16	50	20	15	15
Lowry-Sorensen-Willcoxson Engineers, Phoenix, Ariz. (E)	100	29	—	6.90	25	55	20	0
The Luckman Partnership, Los Angeles, Calif. (A)	71	20	—	10.00	60	40	0	0
McCarthy, St. Louis, Mo. (GC)	118	15	12	427.50	60	24	11	5
McCormick Construction Co. Inc., Hunt Valley, Md. (DB)	108	26	11	45.86	65	0	35	0
McDevitt & Street Co., Charlotte, N.C. (GC)	117	4	4	774.54	79	19	2	0
Robert E. McKee Inc., Dallas, Texas (GC)	120	32	20	205.08	4	31	28	37
Maguire Group Inc., New Britain, Conn. (EA)	91	33	35	8.25	6	14	2	78
Chas. T. Main Inc., Boston, Mass. (EA)	88	11	14	33.40	10	0	30	60
Manhattan Construction Co., Tulsa, Okla. (GC)	122	50	—	116.40	64	18	15	3
Marathon Engineers/Architects/Planners Inc., Menasha, Wis. (EA)	91	36	28	7.11	5	5	80	10
Marnell Corrao Associates, Las Vegas, Nev. (DB)	106	8	15	143.84	98	1	0	1
Marshall Contractors Inc., Rumford, R.I. (DB)	105	5	6	158.00	40	0	60	0
Albert C. Martin and Associates, Los Angeles, Calif. (AE)	79	24	30	14.85	50	19	20	11

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Martin Associates Group Inc., Los Angeles, Calif. (E)	98	11	10	18.00	75	15	10	0
The Martin Organization, Philadelphia, Pa. (A)	72	29	28	8.93	75	0	0	25
Mason & Hanger-Silas Mason Co. Inc., Lexington, Ky. (EA)	90	27	41	10.29	5	7	73	15
Mellon Stuart Co., Pittsburgh, Pa. (GC)	118	12	13	458.15	65	19	1	15
Midwest Technical Inc., Cincinnati, Ohio (E)	97	5	5	28.70	0	50	20	30
Walter P. Moore and Associates Inc., Houston, Texas (E)	100	31	27	6.24	45	30	5	20
Morris Architects, Houston, Texas (A)	72	27	21	9.30	65	35	0	0
Morrison Knudsen Corp., Boise, Idaho (DB)	106	7	19	144.11	0	0	55	45
Morrison Knudsen Corp., Boise, Idaho (CM)	113	4	7	73.49	10	75	10	5
Morrison Knudsen Corp., Boise, Idaho (GC)	120	31	40	205.21	2	25	0	73
Morse/Diesel Inc., New York, N.Y. (CM)	114	9	3	49.50	50	20	20	10
M.A. Mortenson Co., Minneapolis, Minn. (GC)	118	16	—	410.08	35	45	2	18
Murphy/Jahn Inc., Chicago, Ill. (A)	73	34	18	8.50	45	20	0	35
The NBBJ Group, Seattle, Wash. (A)	69	3	3	27.52	40	48	9	3
The Nadel Partnership Inc., Los Angeles, Calif. (A)	71	16	8	12.00	90	5	0	5
I.A. Naman & Associates, Houston, Texas (E)	100	26	23	7.80	85	15	0	0
Neptune & Thomas Associates, Pasadena, Calif. (AE)	82	50	60	7.66	20	75	5	0
Newcomb & Boyd, Atlanta, Ga. (E)	101	33	37	6.01	55	30	5	10
Nielsen Construction Co., San Diego, Calif. (GC)	122	42	35	142.20	40	20	30	10
Odell Associates Inc., Charlotte, N.C. (AE)	81	35	31	10.24	20	45	5	30
Oltmans Construction Co., Whittier, Calif. (GC)	121	39	39	154.38	20	0	80	0
Opus Corp., Minneapolis, Minn. (DB)	105	4	4	198.00	96	3	1	0
PCL Enterprises Inc., Denver, Colo. (GC)	119	26	27	254.58	65	21	3	11
Page Southerland Page, Austin, Texas (AE)	81	37	36	9.74	8	6	76	10
Charles Pankow Builders, Altadena, Calif. (DB)	105	3	3	323.23	100	0	0	0
Paric Corp., St. Louis, Mo. (DB)	108	29	23	41.80	88	0	7	5
Partners Construction Inc., Houston, Texas (SC)	125	5	5	115.60	95	2	3	0
Peckham Guyton Albers & Viets Inc., St. Louis, Mo. (A)	72	30	—	8.81	55	10	0	35
I.M. Pei & Partners, New York, N.Y. (A)	69	6	4	15.87	70	30	0	0
The Pepper Cos. Inc., Chicago, Ill. (GC)	119	21	18	296.40	85	10	0	5
Pereira Associates, Los Angeles, Calif. (A)	73	39	—	8.00	85	5	3	7
Perini Corp., Framingham, Mass. (GC)	118	9	7	541.01	69	17	0	14
Perkins & Will, Chicago, Ill. (AE)	79	23	37	15.04	44	48	8	0
Phillips Swager Associates, Peoria, Ill. (AE)	83	57	—	6.11	14	76	10	0
Pickens-Bond Const. Co., Little Rock, Ark. (DB)	107	22	—	50.00	65	25	10	0
The Piedmont Group, Greenville, S.C. (EA)	92	45	—	5.60	10	15	60	15
The Poole & Kent Co., Baltimore, Md. (SC)	125	6	—	107.73	40	30	20	10
John Portman & Associates, Atlanta, Ga. (AE)	82	45	38	8.20	100	0	0	0
Post, Buckley, Schuh & Jernigan Inc., Miami, Fla. (EA)	89	20	20	14.32	5	15	5	75
RTKL Associates Inc., Baltimore, Md. (AE)	77	6	6	41.86	80	15	1	4

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Reynolds, Smith & Hills, Jacksonville, Fla. (AE)	78	8	5	33.00	—	—	—	—
Rochlin Baran & Balbona Inc., Los Angeles, Calif. (AE)	81	36	—	10.10	28	70	2	0
Rose, Beaton & Rose/Rose, Chufkoff & Rose, White Plains, N.Y. (AE)	82	49	—	7.85	70	10	20	0
Rosser Fabrap International, Atlanta, Ga. (AE)	80	32	—	11.92	40	43	12	5
Rudolph and Sletten Inc., Foster City, Calif. (GC)	121	36	24	170.98	40	1	42	17
Rudolph/Libbe Inc., Walbridge, Ohio (DB)	108	30	—	41.57	23	19	53	5
Russell Gibson von Dohlen Inc., Farmington, Conn. (AE)	81	40	47	8.66	65	18	2	15
Russo + Sonder Architects, New York, N.Y. (A)	73	35	17	8.50	0	100	0	0
SGPA Planning and Architecture, San Diego, Calif. (A)	73	36	—	8.40	75	8	17	0
SSOE Inc., Toledo, Ohio (EA)	88	12	12	32.87	10	15	70	5
STV Engineers Inc., Pottstown, Pa. (EA)	88	14	10	25.25	7	22	12	59
STV/Seelye Stevenson Value & Knecht, New York, N.Y. (E)	99	19	16	10.50	10	15	10	65
Sargent Webster Crenshaw & Folley, Syracuse, N.Y. (EA)	92	50	—	5.00	15	80	5	0
Sasaki Associates Inc., Watertown, Mass. (AE)	80	25	21	14.37	48	33	0	19
Schemmer Associates Inc., Omaha, Neb. (EA)	91	35	37	7.38	24	67	3	6
Schirmer Engineering Corp., Deerfield, Ill. (E)	101	34	35	5.92	38	40	15	7
Schumacher & Forelle Inc., Great Neck, N.Y. (DB)	106	14	10	105.00	30	0	70	0
The Scott Cos. Inc., Oakland, Calif. (SC)	126	11	12	75.60	75	0	0	25
Seppala and Aho Construction Co., New Ipswich, N.H. (DB)	108	27	18	45.00	60	0	40	0
Setter, Leach & Lindstrom, Minneapolis, Minn. (AE)	81	42	43	8.53	42	27	31	0
Shefferman & Bigelson Co., Silver Spring, Md. (E)	100	27	—	7.10	85	15	0	0
Shepley, Bulfinch, Richardson & Abbott, Boston, Mass. (A)	72	24	—	9.40	9	91	0	0
Shive-Hattery Engineers and Architects, Cedar Rapids, Iowa (EA)	91	32	39	8.32	10	17	48	25
Shooshanian Engineering Associates, Boston, Mass. (E)	101	38	39	5.80	40	58	2	0
The Sigel Group, Narberth, Pa. (EA)	90	29	24	10.00	5	15	80	0
Simons-Eastern Consultants Inc., Decatur, Ga. (E)	98	13	7	17.68	0	5	79	16
Simpson Gumpertz & Heger Inc., Arlington, Mass. (E)	99	18	24	10.80	20	50	20	10
Skidmore, Owings & Merrill, Chicago, Ill. (AE)	77	1	1	75.00	70	20	5	5
Skilling Ward Magnusson Barkshire, Seattle, Wash. (E)	100	30	20	6.48	47	39	8	6
Smallwood, Reynolds, Stewart, Stewart & Assoc., Atlanta, Ga. (A)	71	15	13	12.30	85	15	0	0
Harwood K. Smith & Partners, Dallas, Texas (AE)	77	5	4	44.49	40	50	10	0
The Smith Group, Detroit, Mich. (AE)	78	10	7	28.84	28	34	28	10
Smith Seckman Reid Inc., Nashville, Tenn. (E)	101	36	38	5.88	17	70	2	11
Spaw-Glass Const. Inc., Houston, Texas (GC)	120	33	34	181.45	22	49	1	28
The Spector Group, North Hills, N.Y. (A)	71	18	—	10.45	80	10	10	0
Spillis Candela & Partners, Coral Gables, Fla. (AE)	81	38	42	9.29	45	47	2	6
Stanley Consultants Group, Muscatine, Iowa (EA)	90	22	21	12.45	38	2	25	35
Stetson-Harza, Utica, N.Y. (EA)	90	31	46	8.88	4	27	48	21
Stevens & Wilkinson Inc., Atlanta, Ga. (AE)	80	31	27	12.10	35	55	10	0
Stolte Inc., Los Angeles, Calif. (GC)	119	22	30	295.00	40	60	0	0

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Stone, Marraccini and Patterson, San Francisco, Calif. (A)	72	28	29	8.94	10	70	0	20
The Stubbins Assoc. Inc., Cambridge, Mass (A)	70	10	11	14.34	80	15	5	0
Suitt Construction Co., Greenville, S.C. (GC)	122	47	—	128.00	45	0	55	0
Sverdrup Corp., St. Louis, Mo. (EA)	87	1	2	123.12	16	10	46	28
Sverdrup Corp., St. Louis, Mo. (DB)	106	10	9	131.40	56	2	42	0
Swanke Hayden Connell Architects, New York, N.Y. (A)	69	2	2	32.30	80	15	0	5
Swinerton & Walberg Co., San Francisco, Calif. (GC)	119	18	19	378.51	72	11	10	7
Symmes, Maini & McKee Associates, Cambridge, Mass. (EA)	92	44	—	5.90	50	25	25	0
Syska & Hennessy, New York, N.Y. (E)	97	4	3	34.62	33	42	20	5
TAMS Consultants Inc., New York, N.Y. (EA)	92	47	—	5.50	5	10	10	75
TRA, Seattle, Wash. (AE)	80	34	44	10.40	15	40	0	45
TRO/The Ritchie Organization, Chestnut Hill, Mass. (A)	73	33	24	8.68	10	80	0	10
TSP Group Inc., Sioux Falls, S.D. (EA)	92	42	44	6.07	44	38	16	2
Thompson, Ventulett, Stainback & Assoc., Atlanta, Ga. (A)	71	21	15	9.97	80	13	2	5
3D/International Inc., Houston, Texas (AE)	78	16	17	17.92	85	10	0	5
Tishman Realty & Construction Co., New York, N.Y. (CM)	114	10	6	47.95	85	15	0	0
Torcon Inc., Westfield, N.J. (GC)	120	27	26	252.20	85	15	0	0
Tribble & Stephens Co., Houston, Texas (DB)	108	24	22	48.00	62	1	37	0
Tribble Harris Li Inc., Charlotte, N.C. (AE)	79	17	24	17.50	80	10	10	0
The Turner Corp., New York, N.Y. (GC)	117	1	1	2,790.00	68	26	6	0
URS Consultants, San Francisco, Calif. (EA)	88	6	5	43.99	15	30	15	40
United Engineers & Constructors, Philadelphia, Pa. (E)	97	1	2	$100.00	0	0	40	60
U.S. Engineering Co., Kansas City, Mo. (SC)	127	15	11	61.76	35	23	40	2
University Industries, San Diego, Calif. (SC)	126	13	8	70.47	43	18	20	19
VVKR/Suter + Suter, Alexandria, Va. (AE)	82	51	40	7.60	27	70	3	0
R.G. Vanderweil Engineers, Boston, Mass. (E)	99	23	29	8.30	36	50	14	0
Vitetta Group, Philadelphia, Pa. (AE)	82	48	54	8.00	10	60	0	30
The Voinovich Companies, Cleveland, Ohio (A)	73	31	35	8.73	57	34	9	0
Walbridge Aldinger, Livonia, Mich. (GC)	120	29	25	225.00	25	15	60	0
Walker Group/CNI, New York, N.Y. (A)	71	19	34	10.45	100	0	0	0
Walsh Construction Co., Trumbull, Conn. (GC)	122	46	32	130.00	40	0	25	35
Weidlinger Associates, New York, N.Y. (E)	100	25	26	7.88	33	30	10	27
The Weitz Co. Inc., Des Moines, Iowa (GC)	119	23	43	282.26	84	13	3	0
The Western Group, St. Louis, Mo. (SC)	126	9	9	95.00	50	35	10	5
The Whiting-Turner Contracting Co., Baltimore, Md. (GC)	118	14	22	451.72	61	18	16	5
Williard Inc., Jenkintown, Pa. (SC)	127	18	19	29.77	55	10	6	29
Wimberly Whisenand Allison Tong & Goo, Honolulu, Hawaii (A)	73	40	37	8.00	95	5	0	0
Wiss, Janney, Elstner Associates, Northbrook, Ill. (EA)	90	28	25	10.04	44	20	11	25
Wright Schuchart Inc., Seattle, Wash. (GC)	121	34	23	177.08	55	0	21	24
Lev Zetlin Associates, New York, N.Y. (EA)	90	25	23	10.60	40	20	40	0

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ARCHITECTS

TOP ARCHITECTS' CII BILLINGS ON PAR WITH 1986's

Their collective 1987 billings rise by less than 1 percent; commercial billings remain the same, institutional rise slightly

1
(1)
$46.30

Gensler and Associates/ Architects
550 Kearny St.
San Francisco, CA 94108
(415) 433-3700
M. Arthur Gensler Jr., Pres.

With a staff total of 561, including 159 registered architects, firm's 1987 billings rose slightly over previous year's. Interior design continues to account for 65 percent of its billings. Firm also continues to increase its work in retail, airport and convention center design. Branch offices are in Los Angeles, Washington, D.C., Houston, Denver and New York City. Fifteen percent of its work is reconstruction.

2
(2)
$32.30

Swanke Hayden Connell Architects
400 Park Ave.
New York, NY 10022
(212) 826-1880
Richard S. Hayden, Managing Prin.

Firm recently opened an office in Miami. Interior design accounted for 40 percent of its total billings. Twenty percent of its work involves reconstruction. While most work is commercial or institutional, firm also designs single-family residences. Currently under way is Americas Tower, a $120 million, 48-story office building in New York City.

3
(3)
$27.52

The NBBJ Group
111 S. Jackson St.
Seattle, WA 98104
(206) 223-5555
Friedrich Bohm, Managing Ptnr.

Firm has several U.S. offices including those in New York City, Phoenix and Columbus, Ohio. Three-fourths of its staff is comprised of registered architects. Firm specializes in health care, commercial, retail, high-tech and educational facility design. Interior design accounted for 10 percent of its 1987 billings. Fifteen percent of its work is reconstruction. Scheduled for completion this year is the $197 million David Grant Medical Center in Fairfield, Calif.

4
(5)
$24.56

The Hillier Group
500 Alexander Park, CN-23
Princeton, NJ 08543
(609) 452-8888
J. Robert Hillier, Chmn., CEO

Firm recently established separate divisions for land planning and graphic design. Office, conference, college and R&D facilities are among the building types it typically designs. Twenty percent of its total 1987 billings was for interior design. Current projects include the 790,000-sq.-ft. AT&T corporate headquarters in Bridgewater, N.J., and a 100,000-sq.-ft. school of architecture for the University of Arizona in Tempe.

***The NBBJ Group** designed Three Nationwide Plaza and Atrium, a $98 million, 965,000-sq.-ft. office complex in Columbus, Ohio.*

5
(7)
$24.38

Kohn Pedersen Fox
111 West 57th St.
New York, NY 10019
(212) 977-6500
A.E. Kohn, Sheldon Fox, William Pedersen, Ptnrs.

Staff of 230 includes 70 registered architects. Firm specializes in design of corporate and investment office buildings, television facilities and hotels. Interior design accounted for 30 percent of total 1987 billings. Currently under way is the Shearson-Lehman Plaza, a $200 million, 1.2 million-sq.-ft. office building in New York City.

6
(4)
$15.87

I.M. Pei & Partners
600 Madison Ave.
New York, NY 10022
(212) 751-3122
I.M. Pei, E.H. Leonard, H. Cobb, L. Jacobson, W. Wandelmaier, J. Freed, Ptnrs.

More than 25 percent of firm's 1987 revenues was derived from work performed outside of the U.S. Firm specializes in design of large-scale institutional projects, corporate headquarters and investment facilities. Completed in 1987 were Allied Bank Tower, a $111 million, 1.8 million-sq.-ft. office in Dallas, and Commerce Square, a $90 million office building in Philadelphia.

7
(10)
$15.50

Kaplan/McLaughlin/Diaz
222 Vallejo St.
San Francisco, CA 94111
(415) 398-5191
Herbert McLaughlin, Prin.
James Diaz, Prin.
Roy Latka, Pres.

Billings estimated by *BD&C*. Firm is known for design, planning and interiors services for retail, hotel, health care and housing developments. Firm has several California projects under way including a $125 million office building in Oakland. A $225 million state prison in Del Norte will be completed in 1990.

Walker Group opens offices in England and Japan; Jung Brannen increases its interiors services

8
(14)
$14.96

The Architects Collaborative Inc., TAC
46 Brattle St.
Cambridge, MA 02138
(617) 868-4200
John F. Hayes, Pres.

Nearly one-quarter of firm's total 1987 billings is for interior design. Eleven percent of its total revenues was obtained for work performed outside of the U.S. Though firm is known for a wide variety of building types, commercial and institutional work comprised the bulk of 1987's billings. Scheduled for completion in 1988 is a new student union for Florida State University in Tallahassee.

10
(11)
$14.34

The Stubbins Assoc. Inc.
1033 Massachusetts Ave.
Cambridge, MA 02138
(617) 491-6450
Richard Green, Pres.
Hugh Stubbins, Chmn.

Firm staffs 96 employees, one-half of whom are registered architects. It is best-known for its design of office, research, retail and hotel facilities. Interior design accounted for 20 percent of its billings. Completed in 1987 were Fifth Avenue Place, a $60 million high-rise office building in Pittsburgh and the $47.5 million Bristol-Myers Pharmaceutical Research Center-Phase II in Wallingford, Conn.

***Jung/Brannen Associates** designed Monarch Place, a 900,000-sq.-ft. mixed-use project in Springfield, Mass.*
Photo: Steve Rosenthal

9
(25)
$14.85

Beyer Blinder Belle
41 E. 11th. St.
New York, NY 10013
(212) 777-7800
John H. Beyer,
Richard L. Blinder,
John Belle, Ptnrs.

Firm's 1987 CII billings increased by roughly 50 percent over previous year's. It recently formed a department of project development that is responsible for marketing its services, as well as scheduling and interdisciplinary coordination within its offices. Interior design accounted for 15 percent of firm's total billings. Forty percent of its work is reconstruction.

11
(6)
$14.30

The Kober Group
2700 Wilshire Blvd.
Los Angeles, CA 90057
(213) 386-7534
Charles Kober, Pres.

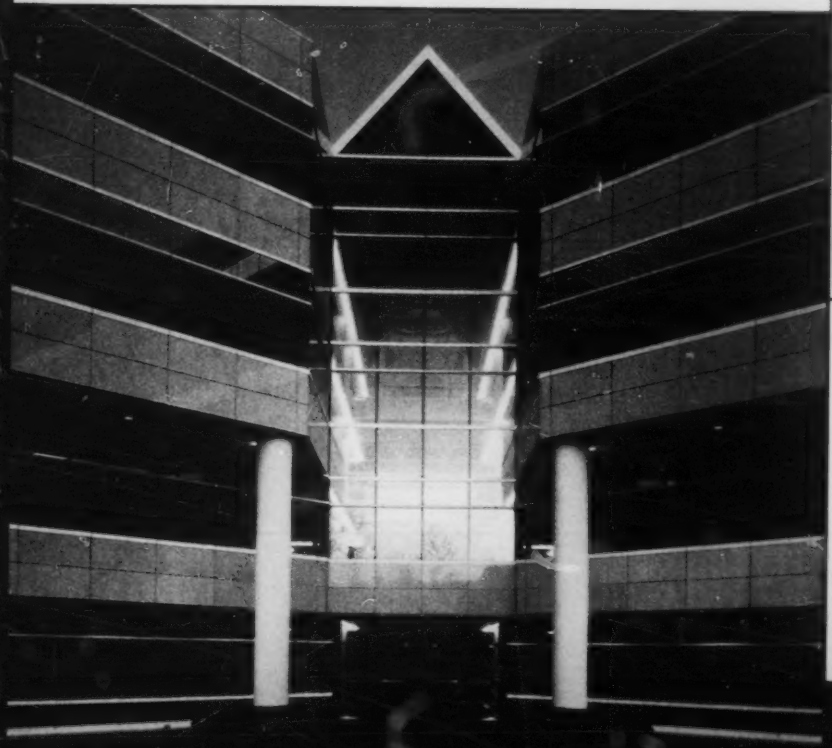
Thirty-five percent of firm's work is reconstruction. Retail, mixed-use, office and hotel design are among the firm's areas of emphasis. Currently under construction is the first phase of Bellevue Place, a $120 million mixed-use development in Bellevue, Wash., that will feature an office building and 24-story Hyatt Regency Hotel.

12
(22)
$14.25

The Callison Partnership
1423 Third Ave., Suite 300
Seattle, WA 98101
(206) 623-4646
David P. Lindsey, Pres.

Firm opened a regional office in San Diego last year. Design work for 1987 was primarily commercial and firm is best-known for its office, retail, mixed-use and hospitality projects. Thirty percent of 1987's total billings was for interior design. Currently under way is Pacific First Center, a $200 million, 1.5 million-sq.-ft. mixed-use high rise in Seattle. Also in the works is the Town & Country Hotel and Convention Center in San Diego, a $400 million, 40-acre hospitality complex to be completed in 1995.

***100 Summit Lake Drive,** a four-story office building in Mt. Pleasant New York, was designed by The Architects Collaborative.*
Photo: Scott Miles, Landmark Photography



13
(16)
$13.32

Jung/Brannen Associates Inc.
177 Milk St.
Boston, MA 02109
(617) 482-2299
Yu Sing Jung, Pres.
Robert Brannen, Chmn.

Firm is pursuing opportunities in laboratory and high-technology design, with an increased emphasis on both facilities management and interiors services. The latter accounted for 35 percent of firm's total 1987 billings. Among projects completed in 1987 was Monarch Place, a 900,000-sq.-ft. mixed-use project in Springfield, Mass., that features office, hotel, retail and restaurant space.

14
(19)
$13.20

Cooper Carry & Associates
3520 Piedmont Road, N.E.
Suite 200
Atlanta, GA 30305
(404) 237-2000
Jerome M. Cooper, Pres.
Walter Carry, VP

Ninety-five percent of firm's total billings was devoted to commercial work in 1987, though it designs a wide array of building types that include health care facilities and residential units. Projects the firm is currently involved in are 2300 Windy Ridge, a 700,000-sq.-ft. office building in Atlanta and Barnett Bank, a nine-building corporate campus in Jacksonville, Fla.

© 1988 BUILDING DESIGN & CONSTRUCTION

Thirty-two of the top 40 architects design for federal, state or local governments. On the average, such work comprises 12 percent of their billings.

15
(13)
$12.30

Smallwood, Reynolds, Stewart, Stewart & Assoc.
3565 Piedmont Road
Suite 303
Atlanta, GA 30305
(404) 233-5453
Phillip Smallwood, Prin.

Though firm specializes in office, hotel and retail design, it is diversifying into residential and correctional design as well. Firm is also expanding into the interiors market and geographically into the Northeast and Midwest. Current projects include Belk's Headquarters, a 585,000-sq.-ft. corporate facility in Charlotte, N.C., and the Concorde, two 300-unit apartment towers in Atlanta.

16
(8)
$12.00

The Nadel Partnership Inc.
1990 S. Bundy, 4th Floor
Los Angeles, CA 90025
(213) 826-2100
Herbert Nadel, CEO

Firm has added to its existing interiors division and continues to grow in the field of retirement and elderly housing projects. It is best-known for office and retail work and has large hotel and multifamily residential divisions. Among several California-based projects are the Pacific Concourse, a $200 million office/R&D development in Los Angeles, and a Mercedes Benz headquarters in Hollywood.

17
(40)
$11.55

Langdon Wilson Mumper Architects
1055 Wilshire Blvd.
Los Angeles, CA 90017
(213) 250-1186
Hans Mumper,
Ernest C. Wilson Jr.,
Sr. Ptnrs.

LWM's CII billings rose 50 percent in 1987. Firm designs commercial, industrial and institutional projects with an emphasis on health care facilities. Several such projects are currently under construction, including the Kaiser Permanente Medical Center, a $65 million acute hospital and outpatient clinic in Riverside, Calif.

18
(—)
$10.45

The Spector Group
3111 New Hyde Park Road
North Hills, NY 11040
(516) 365-4240
Michael H. Spector, Prin.

Firm is best known for corporate and speculative office projects, residential high-rises and mixed-use developments. Fifteen percent of its total 1987 billings was for interior design work and 10 percent of its work involves reconstruction. Among several New York projects, current work includes Ronald McDonald House, a home for critically ill children in New York City, and a 160,000-sq.-ft. headquarters for Northville Industries in Huntington.

Cadillac Fairview's new headquarters in Los Angeles was designed by the Luckman Partnership Inc.
Photo: Carlos Von Frankenberg

19
(34)
$10.45

Walker Group/CNI
320 W. 13th St.
New York, NY 10014
(212) 206-0444
Kenneth H. Walker, Pres.
Lawrence J. Israel, Chmn.

Interior design continues to dominate firm's work, comprising 85 percent of 1987's billings. Firm was acquired by London-based WPP Group and has opened offices in London and Japan. Foreign work accounted for 15 percent of its 1987 revenues. Firm specializes in all aspects of retail service. Fifty percent of its work is reconstruction. Completed projects include a pair of Bullocks department stores in Palm Desert and Northridge, Calif.

20
(—)
$10.00

The Luckman Partnership
9220 Sunset Blvd.
Los Angeles, CA 90069
(213) 274-7755
James M. Luckman, Ptnr.

Firm's 1987 billings were almost evenly divided between commercial and institutional work. Office buildings, hotels, educational and sports facilities are among areas of emphasis. Ten percent of work is reconstruction. Recently completed projects include the Cadillac Fairview Office Tower, a $38 million, 23-story development in Los Angeles. A $15 million theater arts complex for California State University in Los Angeles will be complete in 1990.

21
(15)
$9.97

Thompson, Ventulett Stainback & Assoc. Inc.
CNN Center
Suite 1200, North Tower
Atlanta, GA 30335
(404) 688-8531
W.P. Thompson Jr., Pres.

Twenty-five percent of firm's total billings was for interior design. Reconstruction accounts for 15 percent of its work. Work currently under way includes the AT&T Promenade, a multiphase mixed-use development in midtown Atlanta that will feature office, hotel and retail space on a 12-acre site. Recently completed was a 400-room Radisson Hotel in Toledo, Ohio.

22
(26)
$9.70

Loebl Schlossman & Hackl
130 E. Randolph,
Suite 3400
Chicago, IL 60601
(312) 565-1800
Donald J. Hackl, Pres.

Firm specializes in architecture and interior design for office, commercial, health care, retail and residential facilities. Currently under way is Two Prudential Plaza, a new 64-story tower that will be the city's fourth tallest upon completion. Suburban Chicago projects include Peace Memorial Village, a 333-unit, 362,000-sq.-ft. retirement community in Palos Park, and a 200,000-sq.-ft. corporate headquarters in Lake Forest.

Murphy/Jahn celebrates its 50th anniversary

Designed by Morris Architects, the $72 million, 450,000-sq.-ft. Wortham Theatre Center recently opened in Houston. Photo: Aker Photography/Houston

23 (—) **$9.50**

Leason Pomeroy Assoc. Inc.
44 Plaza Square
Orange, CA 92666
(714) 639-5541
Leason F. Pomeroy III, CEO

LPA staffs 31 registered architects and provides design, planning and interiors services for high-rise office buildings, corporate headquarters, mixed-use projects and R&D facilities. Currently under way are a new $39 million terminal building at O.C. Airport in Santa Ana, Calif., and Tustin Market Place, a $25 million specialty retail center in Tustin, Calif.

24 (—) **$9.40**

Shepley, Bulfinch Richardson and Abbott
40 Broad St.
Boston, MA 02109
(617) 423-1700
George R. Mathey, Pres.

Staff of 152 includes 70 registered architects. Firm is especially known for its university, health care and corporate facility design. Twenty-two percent of its work involves reconstruction. Completed last September was a $60 million addition to the Smithsonian Institute in Washington, D.C. To be completed in 1989 is the Dartmouth Hitchcock Medical Center, a $150 million medical complex in Lebanon, N.H.

25 (23) **$9.33**

The Grad Partnership
One Gateway Center
Newark, NJ 07102-5388
(201) 621-1700
Howard Grad, CEO, Mng. Ptnr.
Harry B. Mahler, Mng. Ptnr.

Firm is best-known for its design of office, correctional and airline facilities. Its many services include site feasibilty studies, master planning and interiors work, as well as space planning and design. Among its many New Jersey projects are a recently completed police and municipal court facility in Elizabeth and a 30-story office tower in Newark to be completed in 1990.

26 (39) **$9.30**

CHK Architects & Planners
9300 Georgia Ave.
Silver Spring, MD 20910
(301) 588-4800
Jack C. Cohen, Chmn.
Jack S. Kerxton, Pres.

Firm is best-known for high-rise elderly housing and suburban office building design. Twelve percent of its work is reconstruction and 6 percent of 1987's total billings was for interior design. Staff of 145 includes 48 registered architects. Among recently completed projects is Mayfair House, a complex in Washington, D.C., with 229 hotel rooms and 40 apartments.

27 (21) **$9.30**

Morris Architects
P.O. Box 22715
Houston, TX 77227
(713) 622-1180
John H. Wiegman, Pres.

With offices in Washington, D.C., Baltimore and a newly opened branch in Orlando, Fla., Morris is continuing to emphasize a national practice. In 1987, the firm worked on projects in 22 states. Its work is primarily commercial and institutional with an emphasis on office, hotel, retail and library design. Twenty-five percent of firm's total billings was for interior design. It designed the recently completed Wortham Theater Center, a $72 million performing arts center in Houston.

28 (29) **$8.94**

Stone, Marraccini and Patterson
455 Beach St.
San Francisco, CA 94133
(415) 775-7300
Wilbur H. Tusler, Pres.

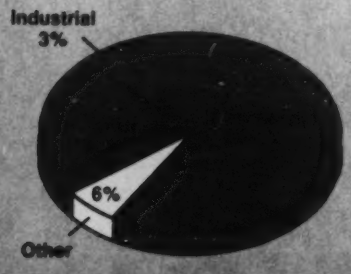
SMP also has a regional office in St. Louis, Mo. Firm is best-known for its design of health care, research and high-tech facilities. Ninety percent of its total billings was for institutional work. Projects completed in 1987 include a chemistry building for the University of California, Berkeley, and the expansion/renovation of an engineering lab and classroom for the University of Missouri, Columbia.

29 (28) **$8.93**

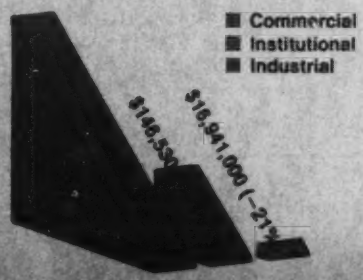
The Martin Organization
242 East 22nd St.
Philadelphia, PA 19103
(215) 665-1080
Richard E. Martin, Pres.

Firm also has several regional offices including a newly opened branch in Boston to serve the Northeast. Though it is best-known for a variety of residential work, the firm is placing an increased emphasis on retail and senior living design. Currently under way are Riverfront, a 26-story, 276-unit residential high rise in Detroit, and Seapointe, a hotel/residential complex in Wildwood, N.J.

Breakdown of the Architects' Billings



Value of the Architects' Billings (% change)



30 (—) **$8.81**

Peckham Guyton Albers & Viets Inc.
200 N. Broadway
St. Louis, MO 63102
(314) 231-7318
Fred F. Guyton, Pres., CEO

Firm staffs 100 employees, including 41 registered architects, with offices in Kansas City, Mo.; Westwood, Kan.; and Colorado Springs, Colo. Firm specializes in design of corporate, entertainment and educational facilities. Thirty percent of its work is reconstruction. Firm recently completed a $15 million Marriott Hotel in Kansas City and a library for the University of Missouri at Columbia.

31
(35)
$8.73

The Voinovich Companies
2450 Prospect
Cleveland, OH 44115
(216) 621-9200
Paul V. Voinovich,
CEO, Pres.

Firm engages in a wide array of design work, including prison, office, health care and educational facilities. Twelve percent of its work is reconstruction. New offices opened last year in New York City and Floriana, Malta. Current projects include the Suffolk County Jail, a $50 million correctional facility in Boston, and the rehab of a Veterans Administration medical center in Brecksville, Ohio.

Opening this month is Koreatown Plaza, Los Angeles, a $25 million, 480,000-sq.-ft. retail center designed by Gruen Associates. Photo: Linda Salzman

32
(—)
$8.70

Bonsignore, Brignati & Mazzotta
370 7th Ave
New York, NY 10001
(212) 633-1400
Richard Bonsignore, Pres.

Seventy-five percent of firm's billings is for interior design. Eighty percent of work is reconstruction. Firm is best-known for design of computer-intensive facilities such as trading rooms and stock exchanges. Firm is currently involved in several New York City projects including the new Barclays Bank, a 40-story, $35 million tower on Wall Street.

34
(17)
$8.50

Russo + Sonder Architects
225 Park Ave. South
New York, NY 10003
(212) 477-5599
Joseph L. Russo, Sr. Ptnr.

Firm exclusively engages in the design and planning of hospitals, as well as medical and laboratory research facilities. Staff of 70 includes 10 registered architects. Firm recently completed work on a $51 million ambulatory care center for Vanderbilt University's medical center in Nashville. Currently under construction is a medical residents building for the same university.

38
(—)
8.00

Hardy Holzman Pfeiffer Associates
902 Broadway
New York, NY 10010
(212) 677-6030
Hugh Hardy,
Malcolm Holtzman,
Norman Pfeiffer,
Victor Gong, Ptnrs.

Staff of 96 includes 28 registered architects. Firm opened a Los Angeles branch office last year. Institutional building design accounted for 90 percent of total billings in 1987. Firm specializes in restoring and designing additions to historic structures, museums and performing arts facilities.

33
(24)
$8.68

TRO/The Ritchie Organization
174 Boylston St.
Chestnut Hill, MA 02167
(617) 969-9400
Wendell R. Morgan Jr.,
Pres.

Ninety percent of firm's 1987 billings was for institutional design; a full 97 percent of its work is reconstruction. Firm specializes in planning and design of health care, retirement and nursing home facilities. Current projects include $25 million worth of additions and renovations for the Newton Wellesley Hospital in Newton, Mass. A $38 million expansion of the Overlook Hospital in Summit, N.J., was completed last year.

36
(—)
$8.40

SGPA Planning and Architecture
1565 Hotel Circle South
San Diego, CA 92108
(619) 297-0131
Arthur D. Allard
Managing. Prin.

Firm also has offices in San Francisco and specializes in design and planning of mixed-use, office, hotel, retail and laboratory facilities. Reconstruction accounts for 25 percent of its work. Staff of 120 includes 40 registered architects. Completed in 1987 was the Promenade at Pacific Beach, an 85,000-sq.-ft. mixed-use project in Pacific Beach, Calif. that features restaurant, retail and other commercial space.

39
(—)
8.00

Pereira Associates
6100 Wilshire Blvd.
Los Angeles, CA 90048
(213) 933-8341
William H. Fain,
Managing Ptnr.

Commercial work comprised 85 percent of billings for fiscal year ended March 31, 1988. Firm employs 24 registered architects and is best-known for its office building design. Among recently completed projects are the $90 million Fox Plaza for Twentieth-Century Fox Film Corp. in Beverly Hills, Calif., and a $65 million mixed-use development in San Francisco.

34
(18)
$8.50

Murphy/Jahn Inc.
33 E. Wacker Drive
Chicago, IL 60601
(312) 427-7300
Helmut Jahn, Pres., CEO

Firm continues to design corporate and commercial office buildings, as well as mixed-use projects, exhibition and convention centers, and public buildings. Nine percent of its total revenues is from work outside the U.S. Ten percent of its work is reconstruction. Completed this year was One Liberty Place in Philadelphia and Phase 1 of the United Airlines terminal at Chicago's O'Hare Airport. Firm celebrates its 50th anniversary this year.

37
(—)
$8.13

Gruen Associates
6330 San Vicente Blvd.
Los Angeles, CA 90048
(213) 937-4270
Ki Suh Park, Managing Ptnr.

Firm primarily engages in commercial and institutional design and is best-known for mixed-use centers, hotels, office buildings, museums and convention centers. Twenty percent of all work is reconstruction. Along with I.M. Pei and Partners, firm is designing the Los Angeles Convention Center expansion, a $240 million project that will add another 900,000 square feet of floor space to the complex.

40
(37)
$8.00

Wimberly Whisenand Allison Tong & Goo Architects
2222 Kalakaua Ave.
Honolulu, HI 96815
(808) 922-1253
Donald Goo, Pres., CEO

Firm also has an office in Newport Beach, Calif. It specializes in hotel design, which accounted for 90 percent of 1987's billings. Firm is also concentrating on remodeling/renovation of major hotels. Projects nearing completion include the Grand Floridian Hotel in Orlando, Fla.; a Hyatt Hotel in Tacoma, Wash.; a Hyatt Regency in Australia; and the Equatorial Hotel in Malaysia.

ARCHITECT/ ENGINEERS

A/E REVENUES REMAIN STEADY
Top firms held their ground during 1987 despite industry slowdown

1
(1)
$75.00

Skidmore, Owings & Merrill
33 W. Monroe
Chicago, IL 60603
(312) 641-5959
Thomas J. Eyerman, Ptnr.

Billings estimated by *BD&C*. Major offices are located in Los Angeles, San Francisco, New York City, Houston, Washington, D.C., and London. Commercial buildings accounted for 70 percent of the firm's work; institutional accounted for another 20 percent. Staff numbers, 1,556, with 329 registered architects and 63 engineers. Current projects include the AT&T Corporate Center in Chicago and the American Honda Motors plant in Torrance, Calif. Activity is 20 percent reconstruction.

2
(2)
$58.50

HDR Inc.
8404 Indian Hills Drive
Omaha, NE 68114
(402) 399-1330
Robert J. Young, COO
Francis Jelensperger, Chief Financial Officer

Firm is recognized for its health care centers and justice facilities. Henningson, Durham & Richardson Inc. and HDR Enginering Inc. are company subsidiaries. Recent projects include the 845-bed VA Hospital in Minneapolis and the 161,000-sq.-ft. Durham Science Center in Omaha, Neb. Offices are located in Alexandria, Va.; Charlotte, N.C.; Los Angeles; Dallas; Seattle; and Tampa. Activity is 16 percent reconstruction and 15 percent governmental.

3
(8)
$56.92

Ellerbe Becket
One Appletree Square
Minneapolis, MN 55420
(612) 853-2000
John J. Labosky, Pres., CEO

Last year, firm was listed under Ellerbe Associates Inc. In December 1987, Ellerbe merged with Welton Becket Associates, an architecture/engineering firm located in Santa Monica, Calif. Projects under way include the $238 million U.S. Naval Regional Medical Center in San Diego and the 825,000-sq.-ft. State Office Building in Los Angeles. Major offices are in Minneapolis, Los Angeles, New York City, Washington, D.C., Tampa and Chicago. Ellerbe billings totaled $35.92 million.

4
(3)
$52.48

Hellmuth, Obata & Kassabaum Inc.
100 N. Broadway
St. Louis, MO 63102
(314) 421-2000
Gyo Obata, Chmn., Pres.

Major offices are located in Dallas, Houston, Los Angeles, New York City, San Francisco, Kansas City (Mo.), St. Louis, Tampa, Washington, D.C., and Hong Kong. Activity is 14 percent reconstruction and 23 percent governmental. HOK/CSC, a computer services firm located in St. Louis, is an HOK subsidiary. Projects completed in 1987 include the 400,000-sq.-ft. ARCO Exploration & Production Research Center in Plano, Texas, and the $53 million, 778,000-sq.-ft. Fairmont Hotel in Chicago.

5
(4)
$44.49

Harwood K. Smith & Partners Inc.
111 Plaza of the Americas North Tower
Lobby Box 307
Dallas, TX 75201
(214) 969-5599
C. Joe Buskuhl, Pres.

Activity is 50 percent institutional, 40 percent commercial and 10 percent industrial. Major offices are located in Dallas, Tampa and Los Angeles. Current projects include the 420,000-sq.-ft. Winchester Medical Center in Winchester, Va., and IBM Westlake/Southlake, a $130 million office park in Westlake/Southlake, Texas. Firm is best known for health care facilities, hotels and office buildings.

6
(6)
$41.86

RTKL Associates Inc.
400 E. Pratt St.
Baltimore, MD 21202
(301) 528-8600
Harold L. Adams, Chmn.
Joseph Scalabrin, Vice Chmn.
George J. Pillorge, Vice Chmn.

Staff numbers 550, with 220 registered architects. Ongoing projects include the 1.3 million-sq.-ft. Shopper's World in Framingham, Mass., and the 500,000-sq.-ft. Bank of Baltimore Building in Baltimore, Md. RTKL has offices in Fort Lauderdale, Los Angeles, Baltimore, Dallas and Washington, D.C. Activity was 25 percent reconstruction and 15 percent governmental.

7
(11)
$34.96

Leo A. Daly
8600 Indian Hills Drive
Omaha, NE 68114
(402) 391-8111
Leo A. Daly, Pres., Chmn.

Subsidiaries include Leo A. Daly Pacific Ltd., Hong Kong; Leo A. Daly Design Consultants Ltd., Singapore; and Nihon-Daly, Tokyo. Major offices are located in Washington, D.C., Los Angeles, Atlanta, San Francisco, St. Louis, Omaha, Seattle and Honolulu. Recent projects include a $20 million expansion of the Los Angeles International Airport for Continental Airlines and the $32 million Gold Coast Hotel/Casino in Las Vegas.

***One City Centre**, a 21-story, 408,000-sq.-ft. office building located in St. Louis, was designed by RTKL Associates Inc., Baltimore.*
Photo: Scott McDonald, Hedrich Blessing

Tribble Harris acquires two architectural firms; DLR Group acquires Bron Associates of Sarasota, Fla.

8 (5) **$33.00**

Reynolds, Smith & Hills Inc.
6737 Southpoint Drive S.
Jacksonville, FL 32216
(904) 739-2000
Leerie Jenkins, Pres.

Billings estimated by *BD&C*. Major offices are located in Tallahassee, Jacksonville, Tampa, Merrit Island and Orlando (Fla.), Anchorage, Atlanta, Denver, Greenville (S.C.), Jackson (Miss.) and St. Louis. Subsidiaries are Environmental Science & Engineering, Gainesville, Fla.; Plantec Corp., Jacksonville; and Intraspace Designers, also of Jacksonville. Projects under way include the $80 million Jacksonville Airport Terminal. Staff numbers 1,405.

9 (9) **$32.00**

Howard Needles Tammen & Bergendoff
P.O. Box 299
Kansas City, MO 64141
(816) 333-4800
William Love, Ptnr.
Cary Goodman, Ptnr.

Firm is best known for its corporate and speculative office buildings, hotels and sports facilities. Reconstruction accounted for 20 percent of all activity; government projects accounted for 10 percent. Offices are located in Kansas City (Mo.), Los Angeles, Phoenix, Indianapolis, Boston, New York City, Seattle and Alexandria (Va.). Ongoing projects include the $80 million Indianapolis State Office Building in Indianapolis.

10 (7) **$28.84**

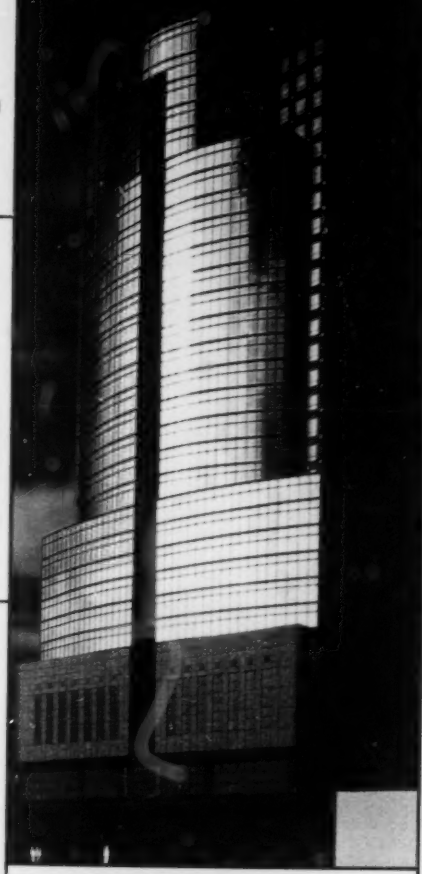
The Smith Group
455 W. Fort
Detroit, MI 48226
(313) 964-3000
Philip J. Meathe, Chmn, CEO
Noel Fagerlund, Pres., COO

Subsidiaries include: Smith, Hinchman & Grylls Associates Inc. and Terra Development Corp., both of Detroit; Moyer Associates of Glencoe, Ill.; and NORR/SH&G Ltd., Toronto. Recently completed projects include the $100 million assembly plant for Diamond Star Motors Corp. in Bloomington/Normal, Ill., and the $19 million renovation of the Wayne County government offices in Detroit. Firm expects revenues to increase 12 percent this year.

11 (10) **$25.00**

Hansen Lind Meyer Inc.
Plaza Centre One
P.O. Box 310
Iowa City, IA 52244
(319) 354-4700
John Douglas Benz, Pres.

During 1987, firm underwent a leveraged buyout of founding partners utilizing an employee stock option program (ESOP). The firm's new president and management are all from current staff and shareholders. Activity is 70 percent institutional, 20 percent commercial and 10 percent industrial. Offices are located in Iowa City, Chicago, Orlando and New York City. Fiscal year ended April 30, 1988. Firm specializes in health care facilities and criminal justice centers.



***3D/International,** Houston, recently completed the design of 312 E. Walnut, a $48 million office building in Cincinnati.* Photo: Joe Aker, Aker Photography

12 (16) **$23.75**

The Cannon Corp.
2710 Whitehaven Road
Grand Island, NY 14072
(716) 842-4300
John D. Cannon, Pres., CEO

Cannon/Yan of New York City is a subsidiary. Projects under way include modifications to the 900,000-sq.-ft. Federal Records Center in Overland, Mo., and the master planning of Vesper Executive Park, an 800,000-sq.-ft. office and industrial park in Tyngsboro, Mass. Activity is 60 percent institutional, 32 percent commercial and 6 percent industrial. Reconstruction projects accounted for 48 percent of all U.S. work. Cannon expects its revenues to increase by 16 percent in 1988.

13 (12) **$22.60**

Haines, Lundberg, Waehler (HLW)
115 5th Ave.
New York, NY 10003
(212) 353-4612
M. Maas, M. Raab, R. Djerejian, T. Hammer, L. Kiil, Ptnrs.

Firm is recognized for its research facilities, office and bank buildings and computer centers. Activity is 50 percent commercial, 35 percent industrial and 15 percent institutional. Offices are located in New York City and Basking Ridge, N.J. Thirty percent of the firm's work is in interior design. Revenues are expected to increase by 20 percent in 1988.

14 (14) **$21.00**

Albert Kahn Associates Inc.
New Center Building
Detroit, MI 48202
(313) 871-8500
Edgar E. Parks, Pres., CEO

Firm is best-known for its institutional and industrial projects. Scheduled for completion this year are a 400,000-sq.-ft. stamping plant in Shelbyville, Ky., and a 110,000-sq.-ft. addition to Michigan State University's engineering facility in East Lansing, Mich. Reconstruction projects account for 15 percent of the firm's work. Staff numbers 311, with 42 registered architects. Fiscal year ended Feb. 29, 1988.

15 (15) **$20.06**

The Kling-Lindquist Partnership Inc.
2301 Chestnut St.
Philadelphia, PA 19103
(215) 569-2900
Fred H. Lindquist, Chmn., Pres., CEO

Firm is recognized for its office buildings, computer centers and its R&D facilities. Institutional buildings comprise 61 percent of all activity; commercial buildings comprise another 27 percent. All remaining activity is either interior design work or consulting services. Recent projects include the 56-story Bell Atlantic Properties office building in Philadelphia. Revenues are expected to increase by 13 percent in 1988.

16 (17) **$17.92**

3D/International Inc.
1900 West Loop South
Suite 600
Houston, TX 77027
(713) 871-7265
J. Victor Neuhaus, Chmn.
Charles B. Thomsen, Pres.

Subsidiaries include two interior design firms: Baker-3D/International of Los Angeles and 3D/International of Hong Kong. Work is 85 percent commercial and 10 percent institutional. Offices are located in Sacramento, Los Angeles, Phoenix, Washington, D.C., Dallas, Houston and San Antonio. Current projects include the 1.5 million-sq.-ft. VA Hospital in Houston. Billings reported above are for the fiscal year ended June 30, 1987.

Total revenues for CII reconstruction for the 60 A/E firms totaled more than $233 million, or roughly 22 percent of their $1.05 billion of CII construction revenues. The average firm had $3.8 million in reconstruction revenues.

22 (20) **$16.19**

Gresham, Smith and Partners
3310 West End Ave.
Nashville, TN 37203
(615) 385-3310
Fleming W. Smith Jr., Partner

Firm is recognized for health care facilities, airports and commercial office and retail buildings. Offices are locate[illegible] Nashville and Birmingham, Ala. Ongoing projects include Nashville City Center, a 27-story office building in Nashville, and the $34 million Tennessee Department of Corrections, State of Tennessee Maximum Security Prison, also in Nashville. Revenues are expected to increase 10 percent in 1988.

17 (24) **$17.50**

Tribble Harris Li Inc.
324 N. College St.
Charlotte, NC 28202
(704) 333-6686
Gerald Li, Chmn.
M. Tribble, Vice Chmn.

Firm acquired Aubrey Architects of Sarasota, Fla., and Covell Matthews Wheatley Architects Ltd., of London. Recent projects include the 1 million-sq.-ft. Trump/Rego Park in New York City and 100 East Wisconsin, a 35-story office building in Milwaukee, Wis. Activity is 80 percent commercial, 10 percent institutional and 10 percent industrial. Offices are located in Charlotte, New York City, London, Washington, D.C., and Sarasota. Billings above are for the fiscal year ended Nov. 30, 1987.

20 (25) **$16.59**

DLR Group
400 Essex
Regency Park
Omaha, NE 68114
(402) 393-4100
D. Hallock, B. Pearsall, Managing Principals

Firm has acquired Bron Associates, a Phoenix-based interior design firm. Affiliates include Dana Larson Roubal and Associates, Omaha; and Deseret, Salt Lake City. Offices are located in Billings, Mont.; Sioux City, Iowa; Farmington, N.M.; Pierre, S.D.; Phoenix; and Seattle. Projects under way include the $213 million Madigan Army Hospital in Fort Lewis, Wash., and the $30 million Goodyear City Center in Goodyear, Ariz.

23 (37) **$15.04**

Perkins & Will
2 N. LaSalle St.
Chicago, IL 60602
(312) 977-1100
Hans Neumann, Chmn., CEO

Fiscal year ended March 31, 1988. Firm is best-known for its educational facilities and mixed-use projects. Activity is 48 percent institutional, 44 percent commercial and 8 percent industrial. Major offices are located in New York City and Washington, D.C. Reconstruction accounts for 31 percent of all work; government buildings account for 34 percent. Current projects include Santa Fe High School, an 800-student facility in Santa Fe, N.M., and 900 N. Michigan, a 66-story mixed-use tower in Chicago.

18 (22) **$17.25**

Flad & Associates Inc.
6200 Mineral Point Road
Madison, WI 53705
(608) 238-2661
J.E. Blassick,/ R.H. Postweiler,
J.W. Miller, Principals

Firm is best-known for its health care, research and commercial facilities. Subsidiaries include Flad & Associates of Wisconsin, Madison, Wis.; Flad & Associates of Florida, Gainesville, Fla.; and Beckley/Myers/Flad of Milwaukee. Projects under way include an 18-story expansion of the Northwestern Mutual Life office building in Milwaukee and a 245,000-sq.-ft. addition to St. Elizabeth Hospital in Appleton, Wis. Reconstruction projects account for 25 percent of all activity.

21 (23) **$16.39**

CUH2A
600 Alexander Road
CN-5240
Princeton, NJ 08543-5240
(609) 452-1212
Kurt Anderson, D. Hoisington, Managing Ptnrs.

Activity is 50 percent industrial, 30 percent commercial and 20 percent institutional. Federal, state and local buildings accounted for 16 percent of all work in 1987; reconstruction projects accounted for 10 percent. Projects under way include the $145 million world headquarters for the Rorer Group, Horsham, Pa., and the $39 million Union County Correctional Facility in Elizabeth, N.J.

24 (30) **$14.85**

Albert C. Martin and Associates
811 West 7th St.
Los Angeles, CA 90017
(213) 614-6168
Christopher C. Martin, Managing Ptnr.
David C. Martin, Ptnr.

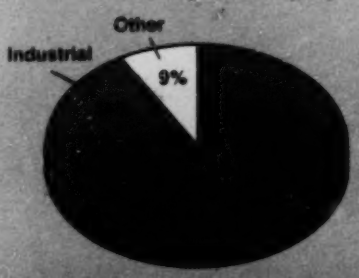
Federal, state and local government buildings account for 20 percent of the firm's work; reconstruction accounts for 10 percent. Current projects include the 50-story, 800,000-sq.-ft. Mitsui Office Tower in Los Angeles and Brinderson Towers, twin office buildings with a total of 600,000 sq. ft. Firm predicts its revenues will increase between 15 and 20 percent in 1988.

19 (29) **$17.00**

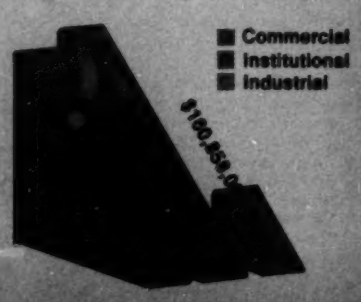
Heery International Inc.
999 Peachtree St., NE
Atlanta, GA 30367-5401
(404) 881-9880
George Heery, Chmn., CEO
James. Moynihan, Pres., Dir.

Privately held firm has offices in Atlanta, Cupertino (Calif.), Los Angeles, New York City, London and Frankfurt, West Germany. Government buildings accounted for 55 percent of the firm's work last year. Current projects include three office buildings totaling 470,000 sq. ft. for Time Inc. in Tampa. Staff numbers 358, with 37 registered architects and 21 engineers. Revenues are expected to increase by 15 percent in 1988.

Breakdown of the Architect/Engineers' Billings



Value of the Architect/ Engineers' Billings (% change)



GSGSB adds an interior design department; Hammel Green forms Greenspan Inc.

25 (21) **$14.37**

Sasaki Associates Inc.
64 Pleasant St.
Watertown, MA 02172
(617) 926-3300
James A. Sukeforth, Pres.
Kenneth E. Bassett, Chmn.

Major offices are located in Dallas and Coral Gables, Fla. Projects under way include Bay Colony Center, a four-phase, 900,000-sq.-ft. executive office park in Waltham, Mass.; the Boston College Sports Center, a 240,000-sq.-ft. center in Chestnut Hill, Mass.; and the Housatonic Corporate Centre, a 1.2 million-sq.-ft., mixed-use facility in Milford, Conn. Activity is 60 percent commercial and 25 percent institutional.

26 (28) **$13.72**

Ewing Cole Cherry Parsky
100 North 6th St.
Independence Mall West
Philadelphia, PA 19106
(215) 923-2020
Stanley M. Cole, CEO
Robert M. Parsky, Pres.

Subsidiaries are Ewing Cole Krause and Ewing Cole Brouwer, both of Philadelphia. Firm is best-known for its research/development facilities, sports complexes and health care centers. Activity is 55 percent institutional, 21 percent commercial and 16 percent industrial. Revenues are expected to increase by 7 percent in 1988. Reconstruction projects accounted for 40 percent of all work in 1987. A second office is located in Haddonfield, N.J.

27 (26) **$13.58**

GSGSB
Berens Building
P.O. Box 244
Clarks Summit, PA 18411
(800) 544-7472
John P. Gilboy,
Chmn., Managing Ptnr.

During 1987, GSGSB added an interior design department. Offices are located in New York City; Clarks Summit, Pa.; and Fairfield, N.J. Current projects include the 1 million-sq.-ft. IBM office complex in Southbury, Conn., and the 195,000-sq.-ft. expansion of the Hershey Medical Center in Hershey, Pa. Activity is 77 percent commercial and 16 percent institutional. Staff numbers 220, with 23 registered architects and 15 engineers.

28 (32) **$12.84**

Hammel Green
and Abrahamson Inc.
1201 Harmon Place
Minneapolis, MN 55403
(612) 332-3944
George T. Riches, Pres.

Firm opened branch in Milwaukee, Wis., and formed Greenspan Inc., a wholly owned corporation formed to serve as a developer of housing. Work is 62 percent institutional, 26 percent commercial and 6 percent industrial. Projects under way include University of Minnesota's $33 million Electrical Engineering/Computer Sciences Building in Minneapolis, and the $30 million Mayo Education Building in Rochester, Minn. Revenues are expected to increase by 4 percent in 1988.

29 (50) **$12.73**

Burt Hill Kosar
Rittelmann Associates
400 Morgan Center
Butler, PA 16001
(412) 394-7037
Ralph H. Burt, Chmn.
John E. Kosar, Pres.

Ongoing projects include the $70 million, 1.8 million-sq.-ft. John Wanamaker Building in Philadelphia and the $24 million Andover Mills office park in Andover, Mass. Major offices are located in Washington, D.C., Butler, Pa., Pittsburgh, Philadelphia, New York City and Fort Myers, Fla. Reconstruction projects accounted for 40 percent of all activity; federal, state and local government projects accounted for 20 percent.

30 (34) **$12.46**

Anderson DeBartolo
Pan Inc.
2480 N. Arcadia Ave.
Tuscon, AZ 85712
(602) 795-4500
R. Anderson, D. Harman,
J. DeBartolo, S. Pan,
Principals

Firm is best-known for its large building complexes, including health care and education facilities. Activity is 50 percent institutional, 40 percent industrial and 10 percent commercial. Projects under way include the $17 million South Valley Hospital in Gilroy, Calif., and the $21 million Micro Electronics Laboratory for the University of Texas, Austin. Billings reported above are for the fiscal year ended Aug. 31, 1987.

Whitehall Laboratories Inc., an R&D center in Hammonton, N.J., was designed by Ewing Cole Cherry Parsky, Philadelphia. Photo: Tom Crane

31 (27) **$12.10**

Stevens & Wilkinson Inc.
100 Peachtree St. N.W.
Atlanta, GA 30303
(404) 522-8888
James F. Kortan, Pres.
Robert T. Lyles, Sr. VP

Firm has offices in Atlanta, Tampa, Columbia (S.C.) and Washington, D.C. Activity is 55 percent institutional, 35 percent commercial and 10 percent industrial. Recent projects include the $28 million, 500-bed Gwinnett County Pre-Trial Detention Facility in Lawrenceville, Ga., and the $15 million, 267,000-sq.-ft. Broad River Correctional Facility in Columbia, S.C. Fiscal year ended May 31, 1987. Staff numbers 140, with 34 registered architects and 17 engineers.

32 (—) **$11.92**

Rosser Fabrap
International
524 Peachtree St. N.E.
Atlanta, GA 30308
(404) 876-3800
Paul C. Rosser, CEO
Edward W. Davidson, COO

Firm was listed under the Engineers/Architects category last year. Major offices are located in Tampa, Savannah, Ga., and San Bernadino, Calif. Federal, state and local government projects comprise 52 percent of all work. Current projects include the $60 million Fulton County Government Center in Atlanta, and the $40 million O. Wayne Rollins Research Center at Emory University, also in Atlanta. Fiscal year ended Aug. 31, 1987.

33 (33) **$11.38**

Harley Ellington Pierce
Yee Associates Inc.
First Center Office Plaza
26913 Northwestern Hwy.
Suite 200
P.O. Box 5030
Southfield, MI 48086-5030
(313) 262-1500
Ralph Pierce, Pres.

Affiliates are Kasch Dukes/HEPY, Denver; Fields & Silverman/HEPY, Los Angeles; Burke & Bales/HEPY, Winter Park, Fla.; and Pierce Yee Associates, Windsor, Ontario. Activity is 47 percent institutional, 25 percent industrial and 19 percent commercial. Recently completed projects include the 315-bed, $38 million Detroit Riverview Hospital. Reconstruction projects accounted for 25 percent of all work.

34 (44) **$10.40**

TRA
215 Columbia
Seattle, WA 98104
(206) 682-1133
Alan Moses, Ptnr.

Firm is best-known for its airport facilities, convention centers and high-rise office buildings. Subsidiaries include TRA/FARR, Anchorage; TRACI, Las Vegas; and TRA Inc., Boston. Scheduled for completion in 1989 are the $110 million Albuquerque Airport in Albuquerque, N.M., and the $22 million waterfront Washington Ferry Terminal in Seattle. Staff numbers 152, with 43 registered architects and 15 engineers. Revenues are expected to increase by 15 percent this year.

35
(31)
$10.24

Odell Associates Inc.
129 West Trade St.
Charlotte, NC 28202
(704) 377-5941
Benjamin T. Rook, Chmn., CEO

Firm is recognized for its hospitals, airport facilities and high-rise mixed-use developments. Major offices are located in Charlotte, N.C.; Greenville, S.C.; and Richmond, Va. Projects scheduled for completion this year are the $35 million expansion of the Charlotte/Douglas International Airport in Charlotte, and the $59 million headquarters for NCNB Florida Corp. in Tampa. During 1987, the firm developed a computerized strategic facilities planning service.

36
(—)
$10.10

Rochlin Baran & Balbona Inc.
10980 Wilshire Blvd.
Los Angeles, CA 90024
(213) 879-1474
Joel A. Jaffe, Pres.
J. Balbona, D. Purcell, Sr. VPs

Firm was formerly known as Rochlin Baran & Associates. Activity is 70 percent institutional, 28 percent commercial and 2 percent industrial. Current projects include the $30 million, 112,000-sq.-ft. Saint Francis Medical Center on Oahu, and the $35 million, seven-story Cedars-Sinai Medical Center research facility in Los Angeles. Billings reported above are for the fiscal year ended July 31, 1987.

Page Southerland Page of Austin, Texas, provided A/E services for Tandem Computers Inc.'s 110,000-sq.-ft. office and manufacturing facility, located in Austin. Photo: Chas McGrath

37
(36)
$9.74

Page Southerland Page
606 West Ave.
Austin, TX 78701
(512) 472-6721
J. Willman, A. Carlisle, R. Tieman, M. Kreisle, J. Wright, G. Dykes, Ptnrs.

Firm is best-known for its hospitals and medical facilities as well as its education, correction, government and commercial projects. Federal, state and local government buildings comprise 24 percent of all work in U.S. Offices are located in Austin, Dallas and Houston. Projects under way include the $10 million Humana Craniofacial Institute in Dallas and the General Mail Facility, a $19 million government project in Austin.

39
(55)
$8.80

HTB Inc.
1411 Classen Blvd.
Oklahoma City, OK 73106
(405) 525-7451
Rex M. Ball, Chmn., CEO
P.G. Wilson Jr., Exec. VP

Major offices are located in Oklahoma City, Tulsa, San Jose, Calif., and Washington, D.C. Among ongoing projects are the $40 million Oklahoma City-County Detention Center and the $70 million San Jose International Airport. Reconstruction accounted for 29 percent of all activity; government work accounted for 42 percent. Staff of 200 includes 40 registered architects. Marketing emphasis is placed on educational, medical and aviation facilities, office buildings and manufacturing plants.

41
(41)
$8.65

Einhorn Yaffee Prescott
Broadway at Beaver
Albany, NY 12207
(518) 663-2141
Steven L. Einhorn, Pres.
Eric C. Yaffee, Exec. VP
Andrew W. Prescott, VP

Firm has increased the size of its engineering staff by 40 percent in the past two years. Marketing emphasis is placed on corporate and government offices, health care and educational facilities, and historical renovation. Institutional buildings accounted for 45 percent of all work, commercial buildings accounted for 35 percent, industrial for 15 percent. Revenues are expected to increase by 10 percent in 1988.

38
(42)
$9.29

Spillis Candela & Partners Inc.
800 Douglas Entrance
Coral Gables, FL 33134
(305) 447-3555
Peter J. Spillis, CEO

Firm is best-known for its office, mixed-use and education buildings and is placing more emphasis on commercial renovation. Offices are located in Orlando and Palm Beach, Fla. Activity is 47 percent institutional, 45 percent commercial and 2 percent industrial. Current projects include the $22 million Fort Lauderdale Performing Arts Center in Fort Lauderdale, Fla. Revenues are expected to increase by 5 percent this year. Billings reported above are for the fiscal year ended Oct. 31, 1987.

40
(47)
$8.66

Russell Gibson von Dohlen Inc.
281 Farmington Ave.
P.O. Box H
Farmington, CT 06032
(203) 677-8556
R. von Dohlen, Chmn.
C. Bellingrath, Pres.

Firm appointed four new principals in 1987. Sixty-five percent of the activity done in the U.S. in 1987 was commercial. Ongoing projects include the $21 million sports complex at the University of Connecticut, Hartford; and the $24 million Brookhaven life care community in Lexington, Mass. Institutional projects accounted for another 33 percent of the work; industrial for 2 percent.

42
(43)
$8.53

Setter, Leach & Lindstrom
1011 Nicollet Mall
Minneapolis, MN 55403
(612) 338-8741
Richard Vasatka, Pres.

Commercial offices, retail stores, research facilities and distribution centers are among the firm's specialties. Projects under way include the $30 million Minneapolis School and Resource Center for the Arts in St. Paul, Minn., and 1010 South Seventh Street, a $16 million, 250,000-sq.-ft. office complex — involving a complete renovation of a former knitting mill. Activity is 20 percent reconstruction and 45 percent federal, state and local government projects. Firm predicts its revenues will increase by 10 percent this year.

Kenneth Balk places more emphasis on commercial projects; James Architects opens two new offices

43
(39)
$8.44

Ellis/Naeyaert/ Genheimer Associates Inc.
3290 W. Big Beaver Road
Troy, MI 48084
(313) 649-2000
J. Edward Genheimer, Pres., CEO

Firm is recognized for its research laboratories and computer facilities. ENG/Six Associates, which has offices in Asheville and Raleigh, N.C., is a company subsidiary. Major offices are located in Asheville, Raleigh and Charleston, S.C. Reconstruction accounted for 50 percent of all work; government for 15 percent. Ongoing projects include the $30 million Office & Corporate Learning Center in Portage, Mich.

44
(18)
$8.24

Everett I. Brown Co.
941 N. Meridian
Indianapolis, IN 46204
(317) 266-0033
E.L. Brown, J.S. Brown, K.W. Brown, Ptnrs.

EDI Inc., Dallas; Prime Design Inc., Tampa; and Landeco Inc., Tuscon, Ariz., are company affiliates. Government, education, industrial, commercial buildings and historical renovation are among company specialties. Firm is continuing to develop its CAD techniques, which now include prototype/standard design capabilities. Current projects include Target Stores' $16 million eastern U.S. distribution center in Indianapolis, Ind.

45
(38)
$8.20

John Portman & Associates
231 Peachtree St. N.E.
Suite 200
Atlanta, GA 30303
(404) 522-8811
John C. Portman Jr., Pres.

Marketing emphasis is on urban mixed-use developments, including hotels, offices and retail buildings. All work is commercial. The Inforum, a 1.5 million-sq.-ft. addition to the Atlanta Market Center, Atlanta, and Embarcadero Center West, a mixed-use development in San Francisco, are among Portman's ongoing projects. Firm has a second office in San Francisco. Staff includes 41 registered architects and 14 engineers.

46
(48)
$8.19

The Ballinger Co.
211 S. Broad St.
Philadelphia, PA 19107
(215) 592-0900
William Gustafson, Pres.

During the past year, the firm has increased its interior design capabilities, placed more emphasis on designing and engineering controlled environments such as clean rooms, and expanded its CADD system. Current projects include the $40 million Children's Hospital of Philadelphia and the 850,000-sq.-ft. headquarters for Blue Cross of Greater Philadelphia. Institutional buildings accounted for 35 percent of all U.S. work. Reconstruction work comprised 35 percent of all activity. Firm expects revenues to increase 15 percent in 1988.

47
(58)
$8.07

Holabird & Root
300 W. Adams St.
Chicago, IL 60606
(312) 726-5960
Eugene Cook, Gerald Horn, Roy Solfisburg, Ptnrs.

Activity is 50 percent institutional, 40 percent commercial and 5 percent industrial. Firm has 30 registered architects and 10 engineers on staff. Among the firm's most recent projects are the $80 million remodeling of the Chicago Federal Reserve Bank in Chicago, and the $50 million Northwestern Bell Computer Center in Omaha. Reconstruction projects accounted for 20 percent of all activity; government for 10 percent. Revenues are expected to increase by 10 percent in 1988.

48
(54)
$8.00

Vitetta Group
1818 Market St.
Philadelphia, PA 19103
(215) 299-8158
Francis G. Vitetta, Managing Principal

Firm is best known for its education, health care and criminal justice centers as well as historical preservation. The $82 million Orange County Criminal Courts facility in Santa Ana, Calif., and St. Christopher's Hospital, a $48 million medical center in Philadelphia, are among the firm's ongoing projects. Activity is 60 percent institutional, 30 percent historical preservation and 10 percent commercial. Revenues are expected to increase by 20 percent in 1988.

***The 93,000-sq.-ft. expansion and renovation** of the Chicago Historical Society, which was designed by Holabird & Root, Chicago, was completed last month.* Rendering: Rael Slutsky

49
(—)
$7.85

Rose, Beaton & Rose/Rose, Chulkoff & Rose
81 Main St.
White Plains, NY 10601
(914) 682-4896
William Rose Jr., Ptnr.

During 1987, the firm added a marketing division and installed a CADD system. D.Y. Davies, London, and Gustav Getter Associates, New Rochelle, N.Y., are company affiliates. Major offices are located in White Plains and Armonk, N.Y. Just completed are the $21 million AT&T Billing Center in Fairhaven, Mass., and the $3.5 million McBurney School in New York City. Reconstruction accounted for 75 percent of all work in the U.S.; government projects accounted for 5 percent.

50
(60)
$7.66

Neptune & Thomas Associates
1550 W. Colorado Blvd.
Pasadena, CA 91105
(213) 255-1401
Anthony O'Keefe, Pres.

In the past year, the firm has elected a ninth principal and two additional associates. Among projects scheduled for completion in 1989 or thereafter are the $45 million expansion of Kaiser Permanente, a medical center located in San Diego, Calif., and the $20 million Mira Loma Boys Camp in Lancaster, Calif. Major offices are located in Pasadena and San Diego. Activity is 75 percent institutional, 20 percent commercial and 5 percent industrial.

51
(40)
$7.60

VVKR/Suter + Suter
901 Pitt St.
Alexandria, VA 22314
(703) 549-9200
Ulrich C. Raeber, Managing Dir.

Office buildings, health care and education facilities and interior design are among the firm's specialties. Reconstruction work accounted for 15 percent of all U.S. activity; government for 70 percent. Current projects include the $55 million National Training Center for Foreign Affairs, Arlington, Va., and the $90 million Virginia Department of Corrections, Greenville County, Va. Construction Management Collaborative, Alexandria, Va., is a company affiliate.

52
(59)
$6.92

KZF Inc.
655 Eden Park Drive
Cincinnati, OH 45202
(513) 621-6211
Frederic C. Weckel, Pres., CEO

KZF acquired Bruce D. Robinson Associates, an architectural firm specializing in theme parks and entertainment facilities worldwide. Major offices are located in Cincinnati, Ohio; Edgewood, Ky.; and Lawrenceburg, Ind. Activity is 61 percent institutional, 23 percent commercial and 8 percent industrial. Firm predicts its revenues will increase by 25 percent this year. Projects include the $22 million Wright State University arena in Dayton, Ohio.

Lorenz & Williams Inc. of Dayton, Ohio, designed the $8 million Institute of Advanced Manufacturing Sciences in Cincinnati, which is the signature building of a 34-acre complex. Photo: Bill Swartz

57 (—)
$6.11

Phillips Swager Associates
3622 N. Knoxville
Peoria, IL 61603
(309) 688-9511
Eugene C. Swager, Pres.

Marketing emphasis is placed on corrections and law enforcement centers as well as on education and health care facilities. Projects under way include the $21 million Will County Jail in Joliet, Ill., and the $21 million renovation and expansion of the Animal Sciences Laboratory at the University of Illinois, Urbana, Ill. Activity is 30 percent reconstruction, 45 percent governmental. Firm predicts its revenues will increase by 35 percent in 1988. Offices are located in Dallas and Naperville, Ill.

58 (—)
$5.54

Fanning/Howey Associates Inc.
540 E. Market St.
P.O. Box 71
Celina, OH 45822
(419) 586-7771
Ronald Fanning, Pres.
Clair E. Howey, VP

Firm established a Florida office and appointed four new principals in 1987. Major offices are located in Columbus, Ohio; Michigan City and Indianapolis, Ind.; and West Palm Beach, Fla. Activity is 99 percent institutional. Current projects include the $22 million expansion and renovation of three middle schools in Elkhart, Ind. Revenues are predicted to increase by 15 percent in 1988.

53 (56)
$6.65

Kenneth Balk & Associates Inc.
P.O. Box 27338
1066 Executive Parkway
St. Louis, MO 63141
(314) 576-2021
Kenneth Balk, CEO

During the coming year, firm will be placing more emphasis on commercial and retail projects. Activity in 1987 was 55 percent commercial, 15 percent institutional and 25 percent industrial. Federal, state and local government projects accounted for 15 percent of all U.S. work; reconstruction accounted for 5 percent. Billings reported above are for the year ended Aug. 31, 1987. Major offices are located in St. Louis and Houston.

55 (—)
$6.50

BSHA Inc.
1875 Third Ave.
San Diego, CA 92101
(619) 239-2353
Gordon Carrier, Jerry Cole, Dale Jenkins, Ptnrs.

During 1987, the firm changed its name from Buss Silvers Hughes Associates to BSHA Inc. Offices are located in San Diego and Colorado Springs, Colo. Sorrento Towers, a 500,000-sq.-ft. office tower in San Diego, and Embassy Suites Hotel, a 300,000-sq.-ft. building in La Jolla, Calif., are among the firm's ongoing projects. Activity is 50 percent commercial, 20 percent institutional and 20 percent industrial. Staff numbers 93, with 37 registered architects and 6 engineers.

59 (57)
$5.23

James Architects & Engineers Inc.
2828 E. 45th
Indianapolis, IN 46205
(317) 631-0880
Philip L. Hodge, Pres.
Raymond S. Thompson, Chmn.

In the past year, the firm opened a new office in Orlando, Fla., and another in Indianapolis. It is best known for its education, government and justice buildings. Activity is 75 percent institutional and 20 percent commercial. Just completed is the $65 million Indianapolis Zoo. To be completed by year's end is the $17 million Vincennes High School in Vincennes, Ind. Revenues are expected to increase by 15 percent this year.

54 (49)
$6.61

Lorenz & Williams Inc.
120 W. Third St.
Dayton, OH 45402
(513) 223-6500
A. Notley Alford, Pres., CEO

LW Development Co., Dayton, Ohio, is a company affiliate. Major offices are located in Cincinnati, Columbus and Dayton, Ohio. Commercial buildings comprised 42 percent of all U.S. work; institutional comprised another 30 percent. Recent projects include the 205,000-sq.-ft. Phase VII of the Sinclair Community College expansion, Dayton, and the 130,000-sq.-ft. addition to the St. Elizabeth Surgical Pavilion, also in Dayton. Reconstruction projects accounted for 40 percent of all U.S. work.

56 (53)
$6.30

Fletcher-Thompson Inc.
299 Washington Ave.
Bridgeport, CT 06604
(203) 366-5441
John G. Phelan, Pres.
M.L. Donegan, Exec. VP

Fletcher-Thompson added three partners in 1987 and is currently in the process of shifting its marketing emphasis to the commercial marketplace, including mixed-use facilities and high-rise office buildings. Ongoing projects include the $60 million Medium Security Facility for the State of Connecticut, Suffield, Conn., and the $61 million Marsh Hill Corporate Park, Orange, Conn. Both are scheduled for completion in 1991. Revenues are expected to increase 9 percent this year.

60 (52)
$5.09

Hayes Large Suckling Fruth & Wedge
Logan Blvd. & 5th Ave.
Altoona, PA 16603
(814) 946-0451
Clifford H. Hayes, General Mgr.

Major offices are located in Altoona, Harrisburg and Pittsburgh, Pa. Activity is 96 percent institutional, 2 percent industrial and 2 percent commercial. Recently completed projects include the $18 million expansion and renovation of Butler Memorial Hospital in Butler, Pa. Scheduled for completion in 1991 is a $52 million, 346,000-sq.-ft. expansion of the VA Medical Center in Pittsburgh. Staff numbers 84, with 26 registered architects and 1 registered engineer.

ENGINEER/ ARCHITECTS

INSTITUTIONAL MARKET STRONG FOR E/As

Volume of institutional work done by these firms rises at faster rate than commercial or industrial work during 1987

1
(2)
$123.12

Sverdrup Corp.
801 North Eleventh St.
St. Louis, MO 63101
(314) 436-7600
B.R. Smith Jr.
Pres., CEO

Projects under way by this privately held firm include a 253,000-sq.-ft. compact disc plant in Huntsville, Ala., a 96,000-sq.-ft. science complex for the University of Missouri-St. Louis and an airport improvement project for Delta Airlines at Dallas-Ft. Worth International Airport. Mechanical/electrical engineering services accounted for 46 percent of the billings reported above, structural/civil for 28 percent and architectural for 26 percent.

As part of a $20 million expansion program, *Sverdrup Corp. designed this pedestrian bridge to connect a new parking garage to the main entry of Barnes Hospital in St. Louis.*

2
(13)
$114.08

Holmes & Narver Inc.
999 Town & Country Road
Orange, CA 92688
(714) 567-2400
Reuben R. Alvy, Pres.

This subsidiary of Ashland Oil Inc. is best-known for the design of technical facilities, including supercomputing centers, processing facilities, labs, training and flight simulator facilities, and communication facilities. Some 70 percent of the firm's work involves projects for government agencies. Current projects include an aircraft metal finishing and chemical milling processing facility for Douglas Aircraft in Long Beach, Calif., and a prototype radio-relay broadcast station for the Voice of America.

3
(1)
$109.45

CRS Sirrine Inc.
1177 West Loop South
Houston, TX 77027
(713) 552-2000
Bruce W. Wilkinson,
Pres, CEO

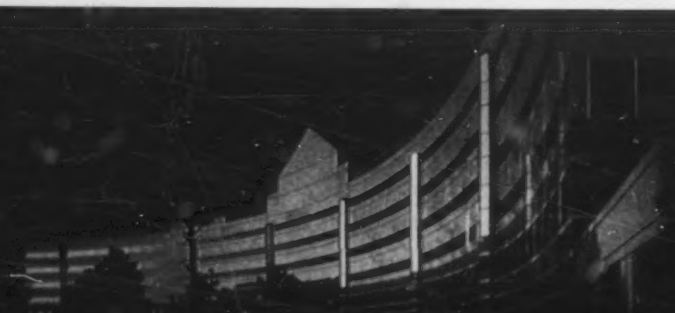
This publicly held firm is best-known for educational, health care, correctional, industrial and R&D facilities. Total staff numbers 2,500, which includes 150 registered architects, 200 registered structural engineers, 240 mechanical engineers and 150 electrical engineers. Interior design and architecture accounted for 24 percent of the firm's total revenues, and engineering for 45 percent.

4
(4)
$78.00

Daniel, Mann, Johnson, & Mendenhall (DMJM)
3250 Wilshire Blvd.
Los Angeles, CA 90010
(213) 381-3663
Richard G. Newman,
Pres., CEO

Among projects scheduled for completion this year are a $50 million aircraft maintenance complex at Andrews AFB in Maryland; a $34.4 million correctional center in Denver; and a $100 million, joint-venture prison project in California. In the past year DMJM acquired Architectural Interiors Inc. of Phoenix, Ariz. DMJM's parent firm is Ashland Oil Inc.

CRS Sirrine provided master planning *and architectural services for the 417,000-sq.-ft. IBM Federal Systems Division Offices in Clear Lake, Texas. This division supports NASA's Mission Control.* Photo: Mark Scheyer



5
(3)
$70.38

Lockwood Greene Engineers Inc.
P.O. Box 491
Spartanburg, SC 29304
(803) 578-2000
Donald R. Luger, Pres.

Lockwood Greene's emphasis is on facilities for the food and beverage, pharmaceutical, biotechnology, electronics and microelectronics, chemical, aerospace, defense and printing industries. The firm opened a satellite office in Cincinnati during the past year. Other major offices are located in Atlanta, Dallas, New York City and Oak Ridge, Tenn. The parent firm of Lockwood Greene is Philipp Holzmann USA.

©1988 BUILDING DESIGN & CONSTRUCTION

Day & Zimmermann establishes a new subsidiary; Giffels nears completion of Toyota manufacturing plant

6
(5)
$43.99

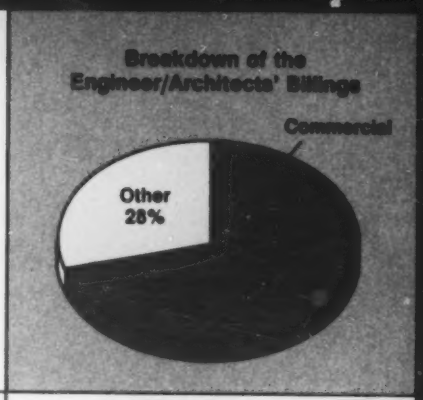
URS Consultants
150 Fourth St.
San Francisco, CA 94103
(415) 957-5300
Raul A. Deju, CEO

Billings estimated by *BD&C* on basis of previous year's performance. URS is best-known for the design of corporate, health care, data processing and R&D facilities. In 1987 URS completed a major corporate restructuring. The parent firm is now Thortec International Inc., and URS Consultants represents the U.S.-based professional group providing architectural, engineering and planning services.

9
(7)
$39.90

A. Epstein and Sons Inc.
600 W. Fulton St.
Chicago, IL 60606
(312) 454-9100
George T. Callas, Pres.

A. Epstein is best-known for its projects for the food industry, including offices, research facilities, processing plants and warehouse/distribution centers. In addition, the firm is known for the design of hospital, multifamily, hotel and corporate headquarters buildings. Among recent major projects are a new distribution center in Gresham, Ore., for Albertson's and modernization of an AT&T manufacturing facility in Chicago.



7
(9)
$41.71

Day & Zimmermann Inc.
1818 Market St.
Philadelphia, PA 19103
(215) 299-8000
H. L. Yoh Jr., Chmn.

During the past year Day & Zimmermann established a new subsidiary, Life Sciences Inc., to provide engineering/architectural services to the biotechnology and pharmaceutical industries. The firm also acquired TransPlan Inc., an aviation planning and engineering firm. Projects under way include a $40 million microelectronics research center for the Massachusetts Technology Park Corp. in Hudson, Mass., and a plant for Xerox in Webster, N.Y.

10
(6)
$34.40

Giffels Associates Inc.
25200 Telegraph Road
P.O. Box 5025
Southfield, MI 48086
(313) 355-4600
Arthur O. Moran Jr., Pres., Chmn.

Projects scheduled for completion this year include the 4 million-sq.-ft., $800 million Toyota automotive manufacturing complex in Georgetown, Ky., and the $120 million headquarters of Domino's Pizza Inc. in Ann Arbor, Mich. Mechanical/electrical engineering accounted for 42 percent of billings, architecture for 20 percent and structural engineering for 19 percent.

12
(12)
$32.87

SSOE Inc.
1001 Madison Ave.
Toledo, OH 43624
(215) 255-3830
Byron L. West, CEO, Chmn.

SSOE is currently opening a regional office in Nashville, Tenn., and beginning a $1.5 million expansion of its Toledo office. Other major offices are located in Flint, Mich., and Alexandria, Va. The firm is best-known for industrial manufacturing, assembly and storage facilities. Projects scheduled for completion this year include a warehouse addition for General Motors, a correctional center in Ohio and numerous auto parts manufacturing facilities.

8
(8)
$40.00

Belcan Corp.
10200 Anderson Way
Cincinnati, OH 45242
(513) 891-0972
Ralph G. Anderson, Pres.

Belcan is best-known for automated manufacturing and warehousing facilities with related offices, labs and computer facilities. Industrial buildings generated 97 percent of the billings reported above. Staff of 2,000 includes 210 mechanical engineers, 70 structural engineers and 40 architects.

11
(14)
$33.40

Chas. T. Main Inc.
Prudential Center
Boston, MA 02199
(617) 262-3200
James T. Callahan, Pres.

The firm is best-known for manufacturing, printing/publishing, pulp and paper, and power facilities. Staff of 935 includes 85 electrical engineers, 74 mechanical engineers, 42 structural engineers and 15 architects. Under way are newspaper production facilities in New Jersey, Massachusetts, Georgia, Ohio, Maine, Florida and California. The parent firm of privately held Chas. T. Main is Parsons Corp., Pasadena, Calif.

13
(11)
$32.47

Dewberry & Davis
8401 Arlington Blvd.
Fairfax, VA 22031
(703) 849-0100
Sidney O. Dewberry, Mng. Ptnr.

This privately held firm has a total staff of 1,304, including 55 registered architects, 19 registered structural engineers, 22 mechanical engineers and 17 electrical engineers. During the past year the firm created a new department devoted to interior architecture/space planning. Interior design services accounted for 3 percent of total billings and architectural services for 19 percent.

***Chas. T. Main is currently designing** a 55,000-sq.-ft. newspaper production facility for the Cape Cod Times in Hyannis, Mass. Construction will be completed in 1989.*

14
(10)
$25.25

STV Engineers Inc.
11 Robinson St.
Pottstown, PA 19464
(215) 326-4600
Richard L. Holland, Chmn., CEO
Alan F. Richter, Pres., COO

In the past year STV acquired the architectural/engineering firm of Michael Lynn & Associates, New York City. STV is best-known for the design of labs, pharmaceutical, waste-to-energy and transportation facilities. Projects for government agencies accounted for 75 percent of the firm's billings. This publicly held firm has a staff numbering 1,134.

Lester B. Knight & Associates is designing this new corporate hangar facility at Chicago's Midway Airport for the Beatrice Cos. Inc.

15 (16) **$20.80**

Lester B. Knight & Associates Inc.
549 W. Randolph St.
Chicago, IL 60606
(312) 346-2100
DeForest Davis Jr., Pres.
Stephen Mitchell, Exec. VP
Donald Hitchcock, Exec. VP

The firm is best-known for high-tech/R&D facilities, industrial/manufacturing facilities and military construction projects. The total staff of this employee-owned firm numbers 800. Projects under way include concept design for a nuclear accelerator facility at Argonne National Laboratory in Illinois, and design of an aircraft terminal/hanger for Beatrice Co. at Midway Airport, Chicago.

16 (17) **$19.72**

Greiner Engineering Inc.
300 E. Carpenter Freeway
Irving, TX 75062
(214) 258-6208
Frank T. Callahan, Pres., CEO

During the past year this publicly held firm began a program to achieve employee ownership. Under way is a $40 million, 30-story mixed-use project in Grand Rapids, Mich., East Bank Towers, which is scheduled for completion in 1991. Government projects accounted for 70 percent of Greiner's total billings for 1987. The firm expects revenues in 1988 to be up by 14 percent.

17 (15) **$17.78**

The Benham Group
9400 N. Broadway
Oklahoma City, OK 73156
(405) 478-5353
David B. Benham, CEO, Chmn.

In building construction, the firm is best-known for industrial plants, R&D and medical facilities, and office buildings. Staff of 459 includes 43 architects, 31 structural engineers, 33 mechanical engineers and 32 electrical engineers. Recent projects include a defense engineering lab in Livermore, Calif.; a food distribution center in Milpitas, Calif.; and an energy-related research lab for the University of Oklahoma in Norman.

18 (36) **$16.00**

Gee & Jenson
P.O. Box 24600
West Palm Beach, FL 33416
(305) 683-3301
Fred A. Greene, Chmn., CEO
Richard M. Miller, Pres.

Engineering services accounted for 65 percent of the firm's billings, while architecture accounted for the remaining 35 percent. In addition to the West Palm Beach headquarters, the firm operates Florida-based offices in Bradenton, Coral Springs, Jacksonville, Stuart, Fort Myers, Orlando, Tampa and Titusville. Staff of this privately held firm numbers 303, up from 278 one year ago.

19 (18) **$15.00**

Bernard Johnson Inc.
5050 Westheimer
Houston, TX 77056
(713) 622-1400
Bernard G. Johnson, Pres.

The firm has major branch offices in Dallas, Austin and Bethesda (Md.). During the past year the firm began a new marketing emphasis on airport facilities and hotels/motels. Work under way includes the design of six prototypes for a new Marriott motel chain, a $22 million research complex for Texas A&M in Houston and renovations and additions to terminal and support areas at Dallas-Fort Worth Airport.

20 (20) **$14.32**

Post, Buckley, Schuh & Jernigan Inc.
8600 N.W. 36th St.
Miami, FL 33166
(305) 592-7275
William Randolph, Chmn.
James Glass, Pres.
Phillip Searcy, Exec. VP

The firm is best-known for transportation-related structures (cruiseports, airport terminal and cargo areas, transit stations) as well as office parks and mixed-use developments. In addition to Miami, major offices are located in Orlando, Tampa, Atlanta, Princeton, N.J., and Arlington, Va. Government projects accounted for 65 percent of billings in 1987.

21 (—) **$12.70**

Hayes, Seay, Mattern & Mattern Inc.
P.O. Box 13446
Roanoke, VA 24034
(703) 857-3100
H. B. Dickenson, CEO
T. H. Noel, Pres.

The firm's emphasis is on labs and medical facilities, explosives facilities, museums, security facilities and communications systems. During the past year the firm changed from a partnership to a privately owned corporation. Major branch offices are located in Rockville, Md.; Virginia Beach, Va.; Greensboro, N.C.; and Mobile, Ala. Last year the firm was listed in the Architect/Engineers category of the Design/Construct 300 survey.

This industrial/office facility for the Brown Distributing Co. in West Palm Beach, Fla., was designed by Gee & Jenson. Photo: Julie Ann Clayton

BEI Associates becomes an employee-owned firm; Maguire Group celebrates its 50th anniversary

22 (21) **$12.45**
Stanley Consultants Group
Stanley Building
225 Iowa Ave.
Muscatine, IA 52761
(319) 264-6600
Gregs G. Thomopulos, Pres.

Stanley operates branch offices in Chicago, Denver, West Palm Beach and Phoenix as well as an overseas office in Liberia. The firm's emphasis is on industrial, utility, institutional and governmental projects. The employee-owned firm is celebrating its 75th anniversary in 1988. A sampling of recent projects includes a $23.1 million corporate headquarters complex in Torrance, Calif.; warehouse and equipment facilities in Lakeland, Fla.; and a bank in Muscatine, Ia.

23 (26) **$11.07**
Burns & McDonnell
4600 E. 63rd St.
P.O. Box 419173
Kansas City, MO 64141
(816) 333-4375
Newton A. Campbell, Chmn.

Work for government agencies accounted for 24 percent of this employee-owned firm's billings. In the CII market, the firm is known for industrial and commercial facilities, including airports and aerospace facilities. Staff numbers 675. Major offices are located in Miami, Denver, West Palm Beach (Fla.), Dallas and Overland Park (Kan.).

24 (22) **$10.92**
A.M. Kinney Inc. & Affiliates
2900 Vernon Place
Cincinnati, OH 45219
(513) 281-2900
A. M. Kinney Jr., Chmn.

The firm's emphasis is on R&D labs, corporate headquarters and other offices, and facilities for the pharmaceutical, food, chemicals, electronics and other high-tech industries. The privately held firm has a staff of 179. Projects scheduled for completion this year include an interior renovation of corporate offices for Cincinnati Gas & Electric, and design of a pharmaceutical manufacturing plant in Norwich, N.Y., for Procter & Gamble.

25 (23) **$10.60**
Lev Zetlin Associates
641 Avenue of the Americas
New York, NY 10011
(212) 741-1300
Charles H. Thornton, Pres.
Richard Tomasetti, Sr. VP

The firm is known for structural engineering of high-rise office/hotel projects and special structures as well as engineering/architectural services for airports and industrial, distribution and manufacturing facilities. Structural engineering accounted for 40 percent of the firm's billings, mechanical/electrical engineering for 35 percent and architecture for 25 percent.

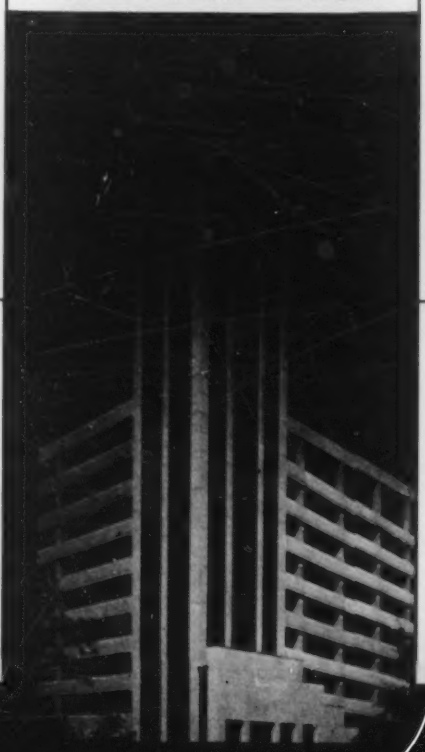
26 (40) **$10.42**
Barge, Waggoner, Sumner & Cannon
162 Third Ave. North
Nashville, TN 37201
(615) 254-1500
Dan Barge Jr., Chmn.
Billy T. Sumner, Pres.

CII billings reported above for the fiscal year ended November 1987 are up from the previous year's $6.56 million. Major offices are located in Knoxville, Memphis, Blountville, Morristown and Cokeville, Tenn., as well as Huntsville, Ala. Projects under way include an addition and renovation of Stratford High School, Nashville, and design of a new manufacturing facility for Fruehauf in Scott County, Tenn.

27 (41) **$10.29**
Mason & Hanger-Silas Mason Co. Inc.
200 W. Vine St.
Lexington, KY 40507
(606) 252-4421
Dwight E. Heffelbower, Pres.

The firm's emphasis is on security facilities, blast-resistant structures and ammunition and weapons-processing plants. This employee-owned firm has branch offices in Amarillo, Texas; Middletown, Iowa; Grand Island, Neb.; Newport, Ind.; Los Alamos, N.M.; and Houston.

Barge, Waggoner, Sumner and Cannon designed this spec building in downtown Nashville. Photo: Bill LaFever



28 (25) **$10.04**
Wiss, Janney, Elstner Associates Inc.
330 Pfingsten Road
Northbrook, IL 60062
(312) 272-7400
John M. Hanson, Pres.

The firm is best-known for providing a range of consulting and research services in all areas of construction technology. It is currently at work on the restoration of the facade of the Tribune Tower in Chicago, the structural repair of a university recreation building and a university stadium, and the restoration of the Cape Hatteras (N.C.) lighthouse. Total staff of 205 includes 51 structural engineers and 16 architects. The firm is a subsidiary of USG Corp.

29 (24) **$10.00**
The Sigel Group
Sabine & Essex Avenues
Narberth, PA 19072
(215) 839-3200
John K. Henderson, Chmn.
G. William Leishear, Pres.

The Sigel Group specializes in pharmaceutical and electronic manufacturing and R&D buildings, university and corporate labs, and general research facilities. Reconstruction accounted for 50 percent of the firm's work in 1987. Projects recently completed or under way include a corporate computer center for Bell of Pennsylvania on the Temple University campus in Philadelphia, a medical products manufacturing facility in Elkton, Md., and the Suffolk County (N.Y.) Justice Center.

30 (30) **$9.60**
BEI Associates Inc.
601 W. Fort St.
Detroit, MI 48226
(313) 963-2300
C.P. Kittides, Pres.

Formerly known as Blount Engineers and owned by Blount Inc., the firm acquired its new name and became employee-owned in early 1988. BEI provides services for the design and renovation of industrial, commercial, institutional, waste-to-energy, power and public works facilities. Total staff numbers 175, including 16 architects, 12 structural engineers and 15 mechanical engineers. Reconstruction accounted for 40 percent of the firm's work.

31 (46) **$8.88**
Stetson-Harza
185 Genesee St.
Utica, NY 13501
(315) 797-5800
John B. Stetson, Pres.

This employee-owned firm devotes its marketing emphasis to five major areas: industrial, utility, pharmaceutical/chemical/food, education and government. In addition to Utica, offices are located in Troy (N.Y.) and Chicago. Total staff of 261 includes 16 architects, nine structural engineers and eight mechanical engineers. Work for government agencies accounted for 25 percent of the firm's work.

32 (39) **$8.32**

Shive-Hattery Engineers and Architects
800 First St., N.W.
P.O. Box 1803
Cedar Rapids, IA 52406
(319) 364-0227
Donald P. Hattery, Pres.

The firm's emphasis is on industrial projects and a building systems approach to project development. In addition to Cedar Rapids, Shive-Hattery operates major offices in Iowa City and Des Moines, Iowa; Moline, Ill.; and Dallas. Total staff numbers 144 employees. Industrial projects accounted for 48 percent of billings, institutional for 17 percent and commercial for 10 percent.

Total billings reported by the Engineer/Architects for CII work in 1987 was up nearly 19 percent. A year ago this group had predicted an increase of 12 percent.

33 (35) **$8.25**

Maguire Group Inc.
One Court St.
New Britain, CT 06051
(203) 224-9141
Vincent M. Cangiano, Pres., CEO

Formerly known as CE Maguire, the Maguire Group Inc. acquired its new name in 1987 as part of an effort to consolidate various offices. Among the firm's current projects are the renovation of six buildings in the Walter Reed Army Hospital complex in Bethesda, Md.; a new $4.1 million elementary school in Providence, R.I.; and a performing arts facility for George Mason University in Fairfax, Va. The firm is celebrating its 50th anniversary in 1988.

34 (—) **$7.52**

Booker Associates Inc.
1139 Olive St.
St. Louis, MO 63101
(314) 421-1476
James E. Moulder, CEO

The firm is best-known for design of high-explosives manufacturing plants for the federal government as well as transportation projects. Building projects under way include program management of a lease/purchase correctional facility for the state of Missouri in Potosi, Mo., and design of a state office building in Jefferson City, Mo.

35 (37) **$7.38**

Schemmer Associates Inc.
1044 N. 115th St.
Omaha, NE 68154
(402) 493-4800
Roger J. Wozny, Pres.

The firm's emphasis is on health care facilities, vehicle maintenance, commercial/retail rehabilitation, energy conservation and land development. It has also begun to do more design/build and construction management work. Staff of 145 employees includes 16 architects, five structural engineers and four mechanical engineers. The firm operates offices in Omaha; Davenport, Iowa; East Moline, Ill.; Orlando and Tampa, Fla.; and Seattle.

36 (28) **$7.11**

Marathon Engineers/ Architects/Planners Inc.
P.O. Box 335
Menasha, WI 54952
(414) 725-3923
Harold R. Miller, Pres., CEO

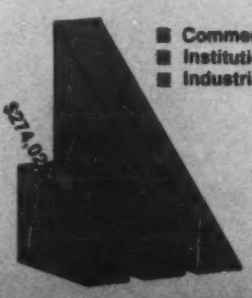
This employee-owned firm is best-known for process and consulting engineering in the pulp and paper, chemical and food processing industries. It has recently increased its marketing concentration in the Southeast. Industrial projects accounted for 80 percent of the firm's billings in the fiscal year ended August 1987. In addition to the Menasha, Wis., headquarters, the firm operates an office in Augusta, Ga.

37 (42) **$7.00**

Donohue
4738 North 40th St.
Sheboygan, WI 53803
(414) 458-8711
Keith J. Garnett, CEO

The firm's emphasis is on schools, theaters, municipal buildings, reconstruction, life-safety engineering and CADD. Building projects completed in 1987 include a $1.4 million theater and art gallery for Lakeland College in Sheboygan, Wis., and a village hall and police facility in Itasca, Ill. Work for government agencies accounted for 85 percent of the firm's billings.

Value of the Engineer/ Architects' Billings (% change)



38 (48) **$6.70**

EI Group
115 Evergreen Place
East Orange, NJ 07018
(201) 672-5100
Peter A. Cipriano, Pres.

In addition to its headquarters in East Orange, the firm has major offices in Milford, Conn.; New York City and Hempstead, N.Y.; Philadelphia and Harrisburg, Pa.; and Richmond, Va. The firm is best-known for educational and institutional facilities as well as industrial and commercial projects. Among its recent projects are grade schools in Pleasantville, N.J.; Hatboro, Pa.; Lewistown, Pa.; Newark, N.J.; and Egg Harbor, N.J.

39 (43) **$6.42**

Foth & Van Dyke
2737 S. Ridge Road
P.O. Box 19012
Green Bay, WI 54307
(414) 497-2500
Steven K. Van Dyke, Chmn.
Joseph N. Linssen, Pres.

Staff of 261 employees includes 11 architects, five structural engineers and 12 mechanical engineers. The firm specializes in educational, medical and commercial construction. In addition to the Green Bay office, the firm has branches in Milwaukee and Madison, Wis. Architectural services accounted for 20 percent of billings, structural engineering for 15 percent and mechanical/ electrical ior 18 percent.

40 (31) **$6.10**

Bennett-Ringrose-Wolsfeld-Jarvis-Gardner Inc.
700 Third St. South
Minneapolis, MN 55415
(612) 370-0700
Peter Jarvis, Pres.

The firm's emphasis is on specialty retail centers, mixed-use developments, hotels, adaptive reuse, educational facilities, solar optics and earth-sheltering structures. During the past year the firm opened a new office in Tucson, Ariz.; other branch offices are located in Denver and Phoenix. Projects scheduled for completion next year include the $36 million Woodland Mall and Hotel in Stillwater, Minn., and the Orlando Gift Mart in Orlando, Fla.

Symmes, Maini & McKee expands site planning capabilities; Piedmont Group increases emphasis on facilities for the food industry

41
(27)
$6.10

HWH Architects Engineers Planners Inc.
1150 West Third St.
Cleveland, OH 44113
(216) 623-0220
H. Robert Wismar Jr., Chmn.

The firm's marketing emphasis is on industrial, high-tech office and R&D facilities. The firm is also known for conversion of manufacturing facilities to offices. Staff of 145 employees includes 12 architects, 10 structural engineers and four mechanical engineers. Reconstruction accounted for 48 percent of the firm's billings in the fiscal year ended June 1987.

42
(44)
$6.07

TSP Group Inc.
1110 West Ave., North Suite 102
Sioux Falls, SD 57104
(605) 335-8448
Ronald W. Mielke, Pres.

The firm is best-known for hospitals and medical facilities, nursing/retirement homes, educational facilities, office buildings and industrial/manufacturing facilities. The firm operates two offices in South Dakota, four in Minnesota, two in Wyoming and one in Denver. Staff numbers 112 employees. Mechanical/electrical engineering accounted for 44 percent of billings, and architectural services for 29 percent. During the past year the firm expanded its CAD capability.

43
(45)
$6.00

Allen & Hoshall
2430 Poplar Ave.
Memphis, TN 38112
(901) 327-8222
Frank B. Gianotti III, Pres.

In addition to its headquarters in Memphis, this privately held firm has offices in Nashville, Knoxville, and Jackson, Miss. The firm has begun to increase its marketing emphasis on military and industrial projects. Mechanical/electrical engineering accounted for 40 percent of billings, architectural services for 20 percent and structural engineering for 10 percent.

44
(—)
$5.90

Symmes, Maini & McKee Associates Inc.
1000 Massachusetts Ave.
Cambridge, MA 02138
(617) 547-5400
Thomas E. Vogel, Pres.

This privately held firm is best-known for its corporate, developer, data/conference, microelectronics and biotechnology projects. During the past year it has expanded its site planning, interior design and CAD capabilities. Recent projects include corporate offices for Blue Cross/Blue Shield and Nixdorf Computer, data centers for Commercial Union Insurance and Connecticut National Bank, and biotechnology facilities for BioTechnica International and RepliGen Corp.

45
(—)
$5.60

The Piedmont Group
P.O. Box 1717
Greenville, SC 29602
(803) 242-1717
E.W. Merck, Chmn.

The firm has recently increased its marketing emphasis on facilities for the food industry. Industrial projects accounted for 60 percent of billings, institutional projects for 15 percent and commercial projects for 10 percent. Revenues are expected to increase by 20 percent during 1988. Staff of this employee-owned firm numbers 128 employees including 12 architects, six structural engineers and six mechanical engineers.

46
(—)
$5.50

Hixson Inc.
25 Merchant St., Suite 400
Cincinnati, OH 45246
(513) 771-5700
J.W. Ach, Pres.

This privately held firm has a staff of 80 employees. Commercial buildings accounted for 50 percent of billings and industrial buildings for 50 percent. Reconstruction was involved in 40 percent of the firm's work. Projects completed in 1987 include a 130,000-sq.-ft. mixed-use project in Dayton, Ohio, a high-rise warehouse in Urbana, Ohio, and office structures in Cincinnati, Columbus and Dublin, Ohio.

47
(—)
$5.50

TAMS Consultants Inc.
655 Third Ave.
New York, NY 10017
(212) 867-1777
Austin E. Brant Jr., Pres.

In addition to its New York headquarters and eight overseas offices, TAMS has offices in Boston; Tempe, Ariz.; Sacramento, Calif.; Portland, Ore.; Washington, D.C.; Fairfax, Va.; Bloomfield, N.J.; and Seattle. The firm is best-known for airport terminals, rail and transit facilities, waterfront developments and industrial/maintenance facilities. Commercial, institutional and industrial buildings accounted for 25 percent of the firm's total billings for projects in the U.S.

48
(—)
$5.33

Keyes Associates
321 S. Main St.
Providence, RI 02903
(401) 861-2900
Walter Keyes, Ptnr.

The firm's current marketing emphasis is on schools, banking facilities and hospital work. Staff numbers 145 employees, including 14 architects and 13 structural engineers. Branch offices are located in Waltham, Mass., and Wethersfield, Conn. Some 59 percent of the firm's work involved projects for government agencies.

49
(47)
$5.26

Anderson-Nichols & Co. Inc.
150 Causeway St.
Boston, MA 02114
(617) 742-3400
Joseph F. Keane, Pres.

The firm is best-known for high-tech, research, office and industrial buildings with a special emphasis on electronics, assembly, process and testing facilities. A branch office is located in Concord, N.H. Industrial buildings accounted for 50 percent of the firm's billings, commercial buildings for 10 percent and institutional buildings for 5 percent. Staff of 123 employees includes nine architects, eight structural engineers and six mechanical engineers.

This 73,000-sq.-ft. office/laboratory addition *for Millipore/Waters Chromotography in Milford, Mass., was designed by Symmes, Maini & McKee Associates Inc.* Photo: Cymie Payne

50
(—)
$5.00

Sargent Webster Crenshaw & Folley
2112 Erie Blvd., East
Syracuse, NY 13224
(315) 472-3361
Edwin B. Bruce, Managing Ptnr.

During the past year the firm opened a new office in Albany, N.Y. Other branch offices are located in Buffalo and Watertown, N.Y., and South Burlington, Vt. The firm is best-known for health care and educational facilities. Projects under way include expansion of hospitals in Hornell and Buffalo, N.Y., and renovation and rehabilitation of schools located in Williamsville and Central Square, N.Y.

ENGINEERS

ENGINEERS LOOK FORWARD TO 1988

Half of the firms expect revenues to increase an average of nearly 15%

1
(2)
$100.00

United Engineers & Constructors
30 S. 17th St.
Philadelphia, PA 19101
(215) 422-3560
Gunnar E. Sarsten, Pres.

Firm specializes in the engineering and construction of power plants, chemical and pharmaceutical plants, biotechnology facilities, steel plants, government facilities and high-tech manufacturing and research facilities. Recent projects include the design of an electro-optics lab for the Naval Research Lab in Washington, D.C. Reconstruction was 15 percent of the firm's work and government projects accounted for 5 percent.

2
(1)
$60.38

Fluor Daniel Inc.
Daniel Building
Greenville, SC 29601
(803) 298-2500
V.L. Kontny, Pres., CEO

Firm provides full-service capabilities in the industrial, process, power, hydrocarbons and government sectors. Recent projects include the renovation of a painting and distribution center for Akzo Coating of America in Long Beach, Calif.; the design of a new laboratory facility for Ciba Geigy in North Carolina's Triangle Research Park; the site design for a new medium-security prison complex in Three Rivers, Texas; and the design of a sales facility for Motorola in San Diego. Reconstruction was 20 percent of firm's work.

3
(9)
$44.47

Comstock Group Inc.
201 E. 42nd St.
New York, NY 10017
(212) 682-1020
Joseph G. Munisteri, Chmn., Pres., CEO

Firm is also listed in the Specialty Contractors category. Subsidiaries include L.K. Comstock & Co., a New York City-based electrical construction firm; Comstock Engineering Inc., a Pittsburgh engineering company; Comstock Mechanical Inc., a mechanical contracting company based in Norcross, Ga.; and Comstock Communications Inc., a telecommunications contracting firm located in Jacksonville, Fla.

4
(3)
$34.62

Syska & Hennessy
11 W. 42nd St.
New York, NY 10036
(212) 921-2300
John Hennessy, CEO
Leonard Koven, Exec. VP

Projects completed in 1987 include the design of mechanical, electrical, plumbing and fire systems for the 130,000-sq.-ft. Henry Mayo Newhall Ambulatory Center in Valencia, Calif.; a new three-story residence building for the General Electric Management Development Institute in Crotonville, N.Y.; and the complete mechanical, electrical and sanitary engineering design for three new dormitory buildings for Worcester State College in Worcester, Mass.

5
(5)
$28.70

Midwest Technical Inc.
4350 Glendale-Milford Road
Cincinnati, OH 45242
(513) 733-2321
Conrad E. Schwager, Pres.

Firm's marketing emphasis is providing engineering and architectural services, as well as contract services with in-house capabilities that include two mainframe CAD systems. Government projects accounted for 50 percent of the firm's work and reconstruction was 5 percent. Offices are located in Cincinnati; Oak Ridge and Kingsport, Tenn.; St. Albans and Parkersburg, West Va.; and Columbia, S.C. Parent firm is CDI Corp. of Philadelphia.

Breakdown of the Engineers' Billings

6
(6)
$28.49

Black & Veatch
1500 Meadow Lake Pkwy.
Kansas City, MO 64114
(913) 339-2000
John H. Robinson, Managing Ptnr.

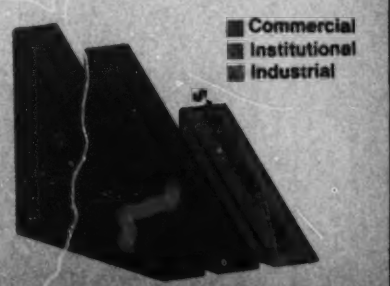
Recent projects include the five-story 8140 Ward Parkway office building in Kansas City, Mo., which was completed in late 1987 and now serves as a corporate headquarters for U.S. Sprint. Firm recently developed POWRTRAK, a computerized project information management system that dramatically reduces the time required to design and build a power generating facility. Reconstruction was 50 percent of the firm's work and government projects accounted for 20 percent.

7
(15)
$24.70

Cygna Corp.
101 California St.
San Francisco, CA 94111
(415) 397-5600
Richard J. Stuart, CEO
Sandy Tandowsky, CEO
Ben Kacyra, CEO

Firm recently merged with RHVA, a Sacramento-based engineering firm. Current projects include the 1 million-sq.-ft. Oakland Federal office building in Oakland, Calif.; the $40 million Admiralty Tower in Boston; and the Santa Clara Valley Medical Center in Santa Ana, Calif. Firm's technical specialty is providing structural engineering services for all building types. Firm recently opened offices in Atlanta and Houston.

Value of the Engineers' Billings (% change)



BE&K forms joint venture with Helsinki firm; Flack & Kurtz opens new offices in Chicago and Los Angeles

8
(14)
$20.40

BE&K Inc.
2000 International Park Drive
Birmingham, AL 35243
(205) 969-3600
W.F. Edmonds, Chmn.
T.C. Kennedy, Pres.

Firm is also listed in the General Contractors and Design/Builders categories. Firm recently formed a joint venture with Polar Construction Co. of Helsinki, Finland, to perform international construction management work. Current projects include the $350 million expansion of a steel mill in Pittsburg, Calif. Firm is best known for its engineering, construction and construction management of industrial plant, power and cogeneration facilities.

9
(4)
$20.40

Bechtel Group Inc.
50 Beale St.
San Francisco, CA 94119
(415) 768-1234
S.D. Bechtel Jr., Chmn.

Firm is also listed in the Design/Builders category. Recent projects include the Disney-MGM Studio Tour Complex, a 130-acre theme park in Florida; and extensive demolition work on the 115-year-old Colorado Territorial Correctional Rehabilitation Prison. Firm specializes in the design/build of facilities for many basic industries that include fossil and nuclear power, hydropower, mining and metals, petrochemical, chemical, food and paper, and land management. Reconstruction accounted for 15 percent of firm's work.

10
(8)
$19.40

Flack & Kurtz
Consulting Engineers
475 Fifth Ave.
New York, NY 10017
(212) 532-9600
Peter Flack,
Normal D. Kurtz,
Managing Prin.

Firm established new offices in Chicago and Los Angeles in 1987. Recent projects include the $30 million Ronald Reagan Presidential Library in Ventura, Calif.; the Prudential Insurance Co. Hilton Center, a 240,000-sq.-ft. mixed-use complex located in Short Hills, N.J.; and the 750,000-sq.-ft. Vanderbilt University Medical Center in Nashville which includes a 500-bed, acute-care hospital.

11
(10)
$18.00

Martin Associates Group Inc.
1800 Wilshire Blvd.
Los Angeles, CA 90057
(213) 483-6490
John A. Martin, Pres.

Recent projects include the $115 million San Diego Convention Center, the $160 million Los Angeles Convention Center and the $400 million Golden Nugget Tower in Las Vegas. Offices are located in Los Angeles, San Francisco, Costa Mesa, Newport Beach and Canoga Park, Calif.; Wheat Ridge, Colo.; Las Vegas; Tucson; and Honolulu. Government projects accounted for 15 percent of the firm's work and reconstruction was 5 percent.

12
(13)
$17.79

Gilbert/Commonwealth Inc.
P.O. Box 1498
Reading, PA 19603
(215) 775-2600
Charles D. Williams, Pres.

Firm's specialty is providing engineering, consulting and architectural services for utility, industrial and government clients. Recent projects include the design and construction management of a new site engineering office and field fabrication facility for the Pennsylvania Electric Co.; and the design of a $5.5 million emergency power facility for the Washington Navy Yard in Washington, D.C. Offices are located in Reading, Pa., and Knoxville, Tenn.

13
(7)
$17.68

Simons-Eastern Consultants Inc.
One West Court Square
Decatur, GA 30030
(404) 370-3200
M.J. Golasinski, Pres.

Firm is best-known for its design of heavy industrial facilities and offers a full range of services that include initial feasibility studies, construction management and start-up. Firm recently formed a partnership with Becon Construction Co. to assist in turnkey projects. Offices are located in Atlanta and Portland, Maine. Firm currently has more than 200 ongoing projects in the U.S., Canada, Australia, New Zealand and Brazil.

14
(12)
$15.00

Jaros, Baum & Bolles
345 Park Ave.
New York, NY 10022
(212) 758-9000
Donald Ross, Ptnr.

Billings estimated by *BD&C*. Firm's technical specialty involves office building, hospital and laboratory work. Offices are located in New York City and Chicago. Staff numbers more than 200.

15
(21)
$13.60

Peter F. Loftus Division of Eichleay Engineers Inc.
6585 Penn Ave.
Pittsburgh, PA 15206
(412) 363-9000
Samuel C. Lyon,
Division Pres.

Recent projects include providing mechanical and electrical engineering services for alterations and additions to the Polyclinic Medical Center in Harrisburg, Pa., and the provision of mechanical and electrical engineering services for the renovated Indiana Hospital in Indiana, Pa. Staff of 240 includes 10 structural engineers, nine mechanical engineers and four electrical engineers.

16
(—)
$12.87

Harris Group Inc.
425 Pontius Ave., North
Seattle, WA 98115
(206) 382-7410
Bob Harris, Pres., CEO

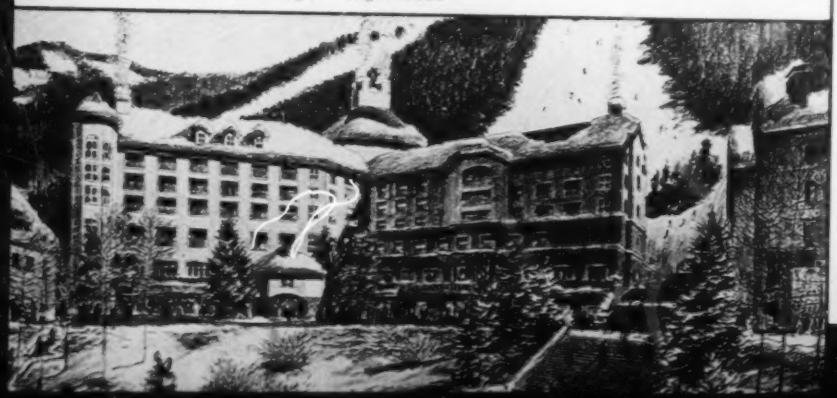
Firm is a new addition to the listing this year. Firm recently changed its name from Schuchart & Associates. Technical specialty is the provision of engineering services for pulp and paper, oil and gas, power, wood products, chemical, port and marine, metals and other heavy industries. Staff of 260 includes 25 structural engineers, 30 mechanical engineers and 20 electrical engineers. Offices are located in Seattle and Portland

17
(—)
$11.70

KKBNA Inc.,
Consulting Engineers
4251 Kipling
Wheat Ridge, CO 80033
(303) 431-6100
Richard Goodrich, CEO
Michael Barrett,
Chmn., Pres.

Firm is a new addition to the listing this year. Current projects include the 43-story, mixed-use Metropolitan Square in St. Louis; the 350-room Hyatt Hotel at Beaver Creek in Beaver Creek, Colo.; and the Allstate Plaza West office complex in Northbrook, Ill. Staff of 177 includes 23 structural engineers and 16 civil engineers. Offices are located in Chicago, St. Louis and Salt Lake City.

KKBNA is currently working on the $40 million Hyatt at Beaver Creek in Beaver Creek, Colo. Rendering: Hornberger Worstell



©1988 BUILDING DESIGN & CONSTRUCTION

18
(24)
$10.80

Simpson Gumpertz & Heger Inc.
297 Broadway
Arlington, MA 02174
(617) 643-2000
Dr. Howard Simpson, Werner H. Gumpertz, Dr. Frank J. Heger, Senior Prin.

Current projects include the renovation of the Science Center at Bucknell University in Lewisburg, Pa.; the $10 million dormitory and $10 million combination stadium/parking garage/tennis court complex at Carnegie-Mellon University in Pittsburgh; and the three-story Worcester Polytechnical Institute in Worcester, Mass.

19
(16)
$10.50

STV/Seelye Stevenson Value & Knecht
225 Park Ave., South
New York, NY 10003
(212) 777-4400
Michael Haratunian, Pres.
Dominick M. Servedio, Exec. VP, COO

Firm offers complete in-house capabilities for a wide range of projects that include aerospace, commercial and residential buildings, transportation, health care, military, and research and development facilities. Recent projects include the 380-unit Riverfront State Prison expansion in Camden, N.J.

20
(18)
$10.00

Cosentini Associates
Two Pennsylvania Ave.
New York, NY 10121
(212) 564-7200
Marvin Mass, Pres.

Billings estimated by *BD&C*. Offices are located in Boston, Dallas, Chicago, New York City and Cambridge (Mass.). Firm is best known for its mechanical/electrical work.

21
(19)
$8.50

Lehr Associates
130 W. 30th St.
New York, NY 10001
(212) 947-8050
Valentine A. Lehr, Louis J. Lalli, Ptnrs.

Firm is best-known for its mechanical, electrical, sanitary, fire protection/life safety and site utilities engineering services. Current projects include the Broadway Crowne Plaza hotel/office complex and the rehab of the Waldorf Astoria hotel, both in New York City; the renovation of the Newark Museum in Newark, N.J.; and the renovation of St. Peters Hospital in New Brunswick, N.J. Reconstruction was 30 percent of firm's work.

22
(28)
$8.42

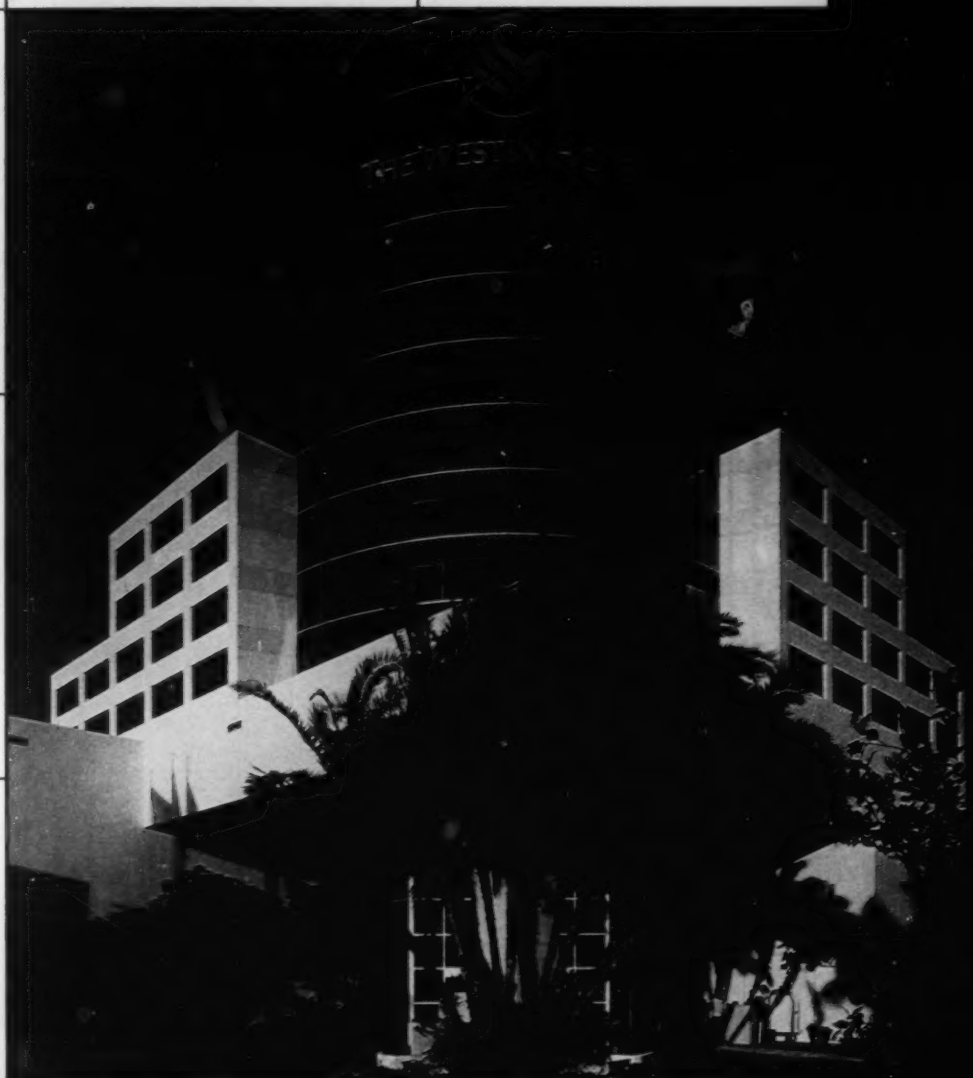
LeMessurier Consultants
1033 Massachusetts Ave.
Cambridge, MA 02238
(617) 868-1200
William J. LeMessurier, Chmn.
John H. Barrett, Pres.

Firm specializes in structural and mechanical/electrical systems design. Current projects include the 500 Boylston, 125 Summer Street and Prospect Building office buildings in Boston; the $15 million Embassy Suites hotel in Waltham, Mass.; and the 250,000-sq.-ft. Digital Building in Marlboro, Mass. Reconstruction and government projects each made up 10 percent of the firm's work.

23
(29)
$8.30

R.G. Vanderweil Engineers
266 Summer St.
Boston, MA 02210
(617) 423-7423
Gary Vanderweil, Pres.

Current projects include a 600,000-sq.-ft. R&D engineering and office complex for Digital Equipment Corp. in Lancaster, Mass.; the Franklin Mills Mall, a 2,000,000-sq.-ft. factory outlet shopping center in Philadelphia; and the 500,000-sq.-ft. 125 Summer Street office building in Boston. Staff of 130 includes 11 registered mechanical engineers, three registered electrical engineers and one other registered engineer. Reconstruction was 15 percent of firm's work and government projects were 9 percent.



***The 294-room Westin at Cypress Creek,** located in Fort Lauderdale, is a recent project of Lehr Associates.* Photo: Tom Knibbs

School renovations on the upturn for Kallen & Lemelson; H.F. Lenz retrofits Mellon Independence Center

24 (17) **$8.16**

Joseph R. Loring & Assoc.
One Pennsylvania Plaza
New York, NY 10119
(212) 563-7400
Joseph R. Loring, Pres.

Recent projects include an IBM office complex in Endicott, N.Y.; CNG Tower in Pittsburgh; the $50 million Sovran Center in Richmond, Va.; the $53 million Creedmoor Psychiatric Center in Queens, N.Y.; and A. Philip Randolph High School in New York City. Reconstruction was 30 percent of firm's work and government projects made up 25 percent. Firm is best-known for its mechanical, electrical and site/civil engineering work.

25 (26) **$7.88**

Weidlinger Associates
333 Seventh Ave.
New York, NY 10001
(212) 563-5200
Paul Weidlinger, Matthys P. Levy, Herbert Rothman, Melvin Baron, Ptnrs.

Current projects include the Kennedy 2000 Transportation Center at JFK International Airport in New York City; the 520-room Tropicana Hotel East in Atlantic City; the facade renovation of the GE Co. headquarters building in New York City; and the 800,000-sq.-ft. Somerset Grove office complex in Franklin Township, N.J.

26 (23) **$7.80**

I.A. Naman & Associates
Two Greenway Plaza
Houston, TX 77046
(713) 623-0220
I.A. Naman, Chmn.

Billings estimated by *BD&C*. Firm is best-known for its work in large commercial office buildings, hotels and hospitals. Offices are located in Dallas and Washington, D.C.

27 (—) **$7.10**

Shefferman & Bigelson Co.
8455 Colesville Road
Silver Spring, MD 20910
(301) 587-4433
S.M. Shefferman, Pres.

Firm is a new addition to the listing this year. Market emphasis is office buildings, hotels, multifamily housing and shopping centers. Recent projects include the Techworld office/hotel complex, the 900-room Grand Hyatt Hotel and the $80 million 1000 Pennsylvania Ave. office building, all in Washington, D.C. Staff of 106 includes 10 registered mechanical engineers and three registered electrical engineers. Reconstruction was 25 percent of firm's work and government projects accounted for 15 percent.

***Society Tower in Cleveland** is one of Skilling Ward Magnusson Barkshire's current projects.* Photo: Philip Koether

28 (22) **$6.92**

Carter & Burgess Inc.
1100 Macon St.
Fort Worth, TX 76113
(817) 335-2611
Jerry W. Allen, Pres.

Recent projects include providing civil and structural services for the 1.1 million-sq.-ft. IBM regional headquarters in Southlake, Texas; the provision of mechanical, electrical and structural engineering for the $22 million Wal-Mart Distribution Center in New Braunfels, Texas; and civil and landscape architecture work for the 140,000-sq.-ft. Computer Science and Aerospace Engineering Building at Texas A&M University in College Station, Texas. Reconstruction was 5 percent of firm's work.

29 (—) **$6.90**

Lowry-Sorensen-Willcoxson Engineers Inc.
2133 W. Northern Ave.
Phoenix, AZ 85021 (602) 249-1320
Robert J. Willcoxson, Pres.

Firm is a new addition to the listing this year. Firm specializes in the design of mechanical, plumbing and electrical systems. Market emphasis is in the health care, prison, school and industrial sectors. Recent projects include the $80 million expansion of the Sky Harbor Airport in Phoenix and the Del Webb Hospital in Sun City West, Ariz. Offices are located in Phoenix, San Diego and Sacramento.

30 (20) **$6.48**

Skilling Ward Magnusson Barkshire Inc.
1215 Fourth Ave.
Seattle, WA 98161
(206) 292-1200
John B. Skilling, Chmn.
Jon D. Magnusson, CEO

Current projects include the $110 million Washington State Convention & Trade Center and the $82 million Gateway Tower office/retail complex, both in Seattle; the 19-story 600 California office building in San Francisco; and the oncology addition to the Loma Linda University Medical Center in Loma Linda, Calif. Government projects made up 28 percent of the firm's work and reconstruction was 10 percent.

31 (27) **$6.24**

Walter P. Moore and Associates Inc.
3131 Eastside
Houston, TX 77098
(713) 630-7300
Walter P. Moore Jr., Chmn., Pres.

Firm specializes in providing structural, civil and traffic engineering and planning services for clients nationwide. Recent projects include the $20 million San Jacinto Methodist Hospital in Baytown, Texas; the $65 million Tampa Convention Center in Tampa, Fla.; and the 180,000-sq.-ft. First Interstate Center in Boise, Idaho. Reconstruction and government projects each accounted for 20 percent of the firm's work.

32 (33) **$6.17**

Kallen & Lemelson, Consulting Engineers
1430 Broadway
New York, NY 10018
(212) 382-1800
Howard Kallen, Howard Lemelson, Ptnrs.

Firm has recently become heavily involved in the renovation and modernization of universities and schools. Recent projects include the Center for Advanced Biotechnology and Medicine at Rutgers University in Piscataway, N.J.; the Academic I Building at Cornell University in Ithaca, N.Y.; and the Hospital for Special Surgery in New York City. Government projects were 35 percent of work.

Half of the 40 Engineers anticipate an increase in 1988 revenues, while only two firms expect a downturn. Twelve of the firms predict that their revenues in 1988 will be comparable to those in 1987.

39 (40) **$5.76**

KPFF Consulting Engineers
999 Third Ave.
Seattle, WA 98104
(206) 622-5822
David Thomas, Pres.

Firm's technical specialties are high-rise office buildings, curtain wall design, shoring and excavation systems, high-tech and low-rise buildings, laboratory and medical clinics, and waterfront and marine structures. Recent projects include the 150,000-sq.-ft. Oregon Convention Center in Portland, the eight-story USC University Hospital in Los Angeles and Metropolitan Park II, a 20-story office building located in Seattle. Offices are located in Portland and Los Angeles.

33 (37) **$6.01**

Newcomb & Boyd
One Northside 75
Atlanta, GA 30318
(404) 352-3930
Warren D. Shiver, Elmer L. Riker, Steven F. Bruning, Stephen M. Sessler, Ptnrs.

Recent projects include a $150 million airport expansion in Orlando; and the $65 million Inforum technology market and a 120,000-sq.-ft. research lab for Georgia Tech, both located in Atlanta. Staff of 126 includes 29 registered mechanical engineers and nine registered electrical engineers.

36 (38) **$5.88**

Smith Seckman Reid Inc.
3319 West End Ave.
Nashville, TN 37203
(615) 383-1113
J. Robin Barrick, Pres., CEO

Firm specializes in health care facility design. Recent projects include the $53 million St. John's Regional Medical Center in Oxnard, Calif., and the $62 million St. Vincent's Medical Center in Jacksonville, Fla. Staff of 104 includes 16 registered mechanical engineers, four registered electrical engineers and seven other registered engineers. Reconstruction was 30 percent of firm's work and government projects accounted for 5 percent.

40 (31) **$5.40**

Rolf Jensen & Associates
1751 Lake Cook Road
Deerfield, IL 60015
(312) 948-0700
Rolf Jensen, Pres.

Recent projects include the Jacob Javits Convention Center in New York City, the Oakland Federal Office Building in Oakland, Calif., and the Los Angeles Convention Center. Firm's technical specialties are fire protection engineering and building code consulting. Offices are located in Deerfield, Ill.; Houston; Fairfax, Va.; Pleasant Hill, Calif.; Willowdale, Ontario, and Vancouver, B.C., Canada. Reconstruction was 30 percent of firm's work and government projects accounted for 15 percent.

34 (35) **$5.92**

Schirmer Engineering Corp.
707 Lake Cook Road
Deerfield, IL 60015
(312) 272-8340
Chester W. Schirmer, Pres., CEO

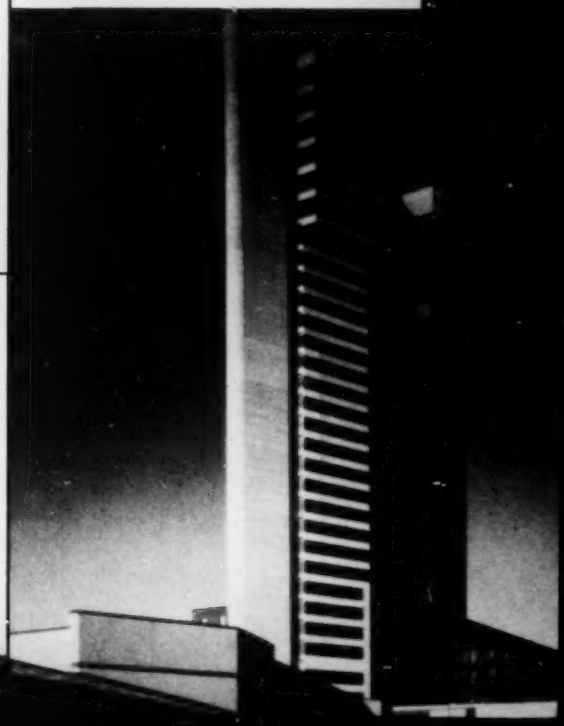
Recent projects include the retrofit of the fire alarm system and sprinkler system replacement for the Hyatt Regency in Atlanta. Firm specializes in fire protection engineering as well as code consultation, the design of fire protection systems, loss control inspections and risk management for commercial, institutional, industrial and government clients. Reconstruction was 68 percent of the firm's work and government projects accounted for 9 percent.

37 (36) **$5.85**

Coffman Engineers Inc.
720 Olive Way
Seattle, WA 98101
(206) 623-0717
David L. Coffman, Pres.

Firm's technical specialties are structural, civil, mechanical and electrical engineering, surveying, project/construction management, energy analyses, and the provision of CADD services for commercial, institutional and industrial facilities. Current projects include the $64 million Marathon Crown Center office building in Seattle, the $80 million Anchorage Courthouse in Anchorage, Alaska, and a 175,000-sq.-ft. Nordstrom Store in Brea, Calif. Government projects accounted for 20 percent of firm's work.

***Smith Seckman Reid** completed work on the Nashville Convention Center and Stouffer Nashville Hotel.*
Photo: Bill Lafevor



35 (—) **$5.90**

H.F. Lenz Co.
1732 Lyter Drive
Johnstown, PA 15905
(814) 255-5821
Charles J. Neuhoff, Pres.

Firm is a new addition to the listing this year. Firm specializes in high-rise and office building retrofits and energy conservation, health care and educational facilities, as well as engineering and surveying for industrial facilities, power plants and utilities. Recent projects include the retrofit of Mellon Independence Center in Philadelphia and the $124 million addition to the Pennsylvania State Capitol in Harrisburg. Government projects were 35 percent of firm's work and reconstruction was 45 percent.

38 (39) **$5.80**

Shooshanian Engineering Associates Inc.
330 Congress St.
Boston, MA 02210
(617) 426-0110
Edward Shooshanian, Pres.
Henry J. Eggert, Exec. VP

Firm emphasizes innovative, energy-conscious designs for commercial and institutional buildings. Recent projects include the 360,000-sq.-ft. Smithsonian Institute South Quadrangle Building in Washington, D.C., and the 450,000-sq.-ft. 404 Wyman Street office building in Waltham, Mass. Reconstruction accounted for 40 percent of firm's work and government projects were 10 percent.

DESIGN/BUILDERS

TOTAL VALUE OF DESIGN/BUILDERS' WORK RISES 15%

Industrial and institutional work is up, but commercial work dipped by 3%

1 (2) **$719.58**

The Austin Co.
3650 Mayfield Road
Cleveland, OH 44121
(216) 382-6600
Thomas J. Judge, Pres., CEO

Austin continues its marketing emphasis on systems integration for the Facility of Tomorrow. Building types include aviation/aerospace facilities, operations and computer centers, R&D centers, newspaper production facilities and electronics manufacturing plants, among others. Current projects include a Coca Cola computer center in Atlanta. Staff of 2,000 includes more than 300 engineers and 143 registered architects.

2 (1) **$460.14**

Fluor Daniel Inc.
Daniel Building, 5th Floor
Greenville, SC 29601
(803) 298-2500
V.L. Kontny, Pres., CEO

Fluor's eastern operations are headquartered in Greenville, S.C.; its western operations in Irvine, Calif. The firm is a subsidiary of Fluor Corp., which staffs nearly 12,000 employees. Its marketing emphasis stresses full-service capabilities in industrial, process, power, hydrocarbons and government sectors. Recently completed was Parkview Office Center, a $10 million, 144,000-sq.-ft. office building in Columbia, Md.

3 (3) **$323.23**

Charles Pankow Builders
2476 N. Lake Ave.
P.O. Box 253
Altadena, CA 91001
(213) 684-2320
Charles J. Pankow, Chmn.

All of the firm's projects involve design/build and are fast-tracked. Firm specializes in large mid- to high-rise office buildings, hotels, condominiums, shopping centers and parking structures. Sixteen percent of its work involves reconstruction. Current projects include the Kapalua Bay Hotel in Kapalua, Hawaii, and Shoreline Square, a mixed-use project in Long Beach, Calif., that features a 20-story office building and 500-room hotel.

4 (4) **$198.00**

Opus Corp.
P.O. Box 150
Minneapolis, MN 55440
(612) 936-4444
Gerald A. Rauenhorst, CEO, Chmn.
Gene Haugland, COO, Pres.

Opus designs, builds and develops distribution and light manufacturing facilities, offices and hotels. Firm's work is 100 percent design/build, with commercial construction accounting for 96 percent of construction put in place in 1987. To be completed this fall is 150 South Fifth, a 35-story office tower in Minneapolis.

5 (6) **$158.00**

Marshall Contractors Inc.
75 Newman Ave.
Rumford, RI 02916
(401) 438-3500
John L. Marshall III, Pres.

Marshall primarily focuses on the commercial and industrial building sectors and is best-known for servicing microelectronic, pharmaceutical and other related industries. Other markets it serves include high-rise office and housing projects, hotels and warehouse/distribution centers. Current projects include Raytheon-Hager Pond, a $30 million, 520,000-sq.-ft. headquarters/R&D facility in Marlboro, Mass.

6 (5) **$156.90**

The Carlson Group Inc.
321 Commonwealth Road
Cochituate, MA 01778
(617) 969-1200
M. Joseph Celi, Pres.

Nearly 50 percent of firm's work involves reconstruction. Firm has four subsidiaries, three of which are located in Massachusetts. The fourth is in Smyrna, Ga. Emphasis is placed on design and construction of manufacturing facilities, process plants, health care facilities, offices and residences. To be completed this year is the New Hampshire Central Psychiatric Hospital in Concord. The 196-bed hospital is the largest public works project ever completed in the state.

***150 South Fifth** is a 35-story office tower in Minneapolis currently being constructed by Opus Corp.*
Photo: Craig Perman

©1988 BUILDING DESIGN & CONSTRUCTION

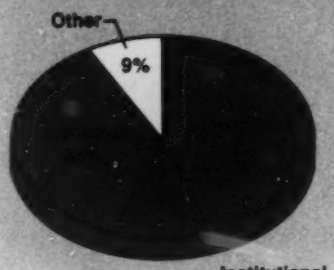
Schumacher & Forelle's work on R&D facilities increases significantly; Bellemead expands into the health care market;

7
(19)
$144.11

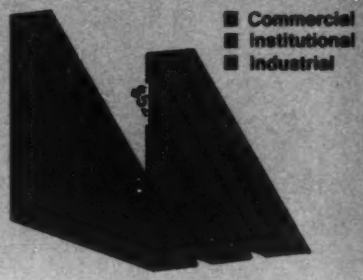
Morrison Knudsen Corp.
1 Morrison Knudsen Plaza
P.O. Box 73
Boise, ID 83707
(208) 386-8000
W.J. Deasy, Pres., CEO

Morrison Knudsen is a holding company with nine subsidiaries. The company's engineering and construction subsidiaries service all phases of design, construction, engineering and construction management for the commercial, industrial and institutional building sectors, among others. Completed last year was the $30 million Idaho Prison in Boise.

Breakdown of the Design/Builders' Construction



Value of the Design/Builders' Construction (% change)



8
(15)
$143.84

Marnell Corrao Associates
4495 S. Polaris
Las Vegas, NV 89103
(702) 739-9413
Anthony Marnell II, Pres.

Firm's design/build work is almost totally comprised of commercial facilities, with an emphasis on casino/hotels. Major offices are located in Reno, Nev.; Atlantic City, N.J.; and Carlsbad, Calif. Sixty percent of its work involves reconstruction. To be completed this year are four hotel/casinos in Las Vegas with a total value of nearly $50 million. An $85 million Golden Nugget hotel/casino in Las Vegas will be completed late next year.

9
(7)
$142.20

Bechtel Group Inc.
50 Beale St.
P.O. Box 3965
San Francisco, CA 94119
(415) 768-1234
S.D. Bechtel Jr., Chmn.

Figure above reflects CII work, which accounts for only 5 percent of the total value of construction put in place using design/build. Within CII sectors, firm is best-known for its work on airports, factories, hotels and other commercial construction. Firm has nearly 40 offices worldwide, including several on the U.S.'s east and west coasts. Work includes the Disney-MGM Studio Tour Complex, a 130-acre theme attraction in Florida.

12
(12)
$105.30

The Haskell Co.
Haskell Building
Jacksonville, FL 32204
(904) 791-4500
Preston H. Haskell, Pres.
Kennon G. Holmes, Exec. VP

Firm emphasizes fast-track design/construct services for manufacturing plants, warehouses, office buildings, data center, resorts and retail projects. To be completed in 1989 is the Barnett Bank of Florida, an 850,000-sq.-ft. facility in Jacksonville. Other current projects include an 840,000-sq.-ft. distribution center for Zayre Corp. in Plant City, Fla.

The Haskell Co. *recently completed work on 95 Corporate Center, a three-story office building in Jacksonville, Fla.* Photo: Dennis O'Kain

10
(9)
$131.40

Sverdrup Corp.
801 North 11th St.
St. Louis, MO 63101
(314) 436-7600
B.R. Smith Jr., Pres., Chmn., CEO

Staff of 4,320 includes nearly 700 registered engineers and 84 registered architects. Firm has 20 U.S. offices and another in Bangkok. Last year's design/build services were largely devoted to commercial and industrial building types. Recent projects include a 65,000-sq.-ft. business and technology complex for Webster University in St. Louis County, Mo.

13
(16)
$105.00

BE&K Inc.
2000 International Park Drive
Birmingham, AL 35243
(205) 969-3600
T.C. Kennedy, Pres.
W.F. Edmonds, Chmn.
T.M. Goodrich, VP

Firm has four subsidiaries located in the South and Southwest that are involved in construction, engineering, commercial development and mechanical construction. Sixty percent of firm's work involves reconstruction. A $350 million expansion of a steel mill in Pittsburg, Calif., will be completed next year. Other current projects include the $300 million expansion of a Dublin, Ga., newsprint mill.

11
(—)
$110.40

Holmes & Narver Inc.
999 Town & Country Road
Orange, CA. 92668
(714) 567-2400
Reuben R. Alvy, Pres.

With a staff of nearly 7,000, firm has offices in Washington, D.C., Boston, Las Vegas, Albuquerque and Riyadh, Saudi Arabia. Firm is known for its design and construction of complex technical facilities such as supercomputing centers, laboratories, flight simulators and communication facilities, as well as general office buildings. Forty percent of its work involves reconstruction.

14
(10)
$105.00

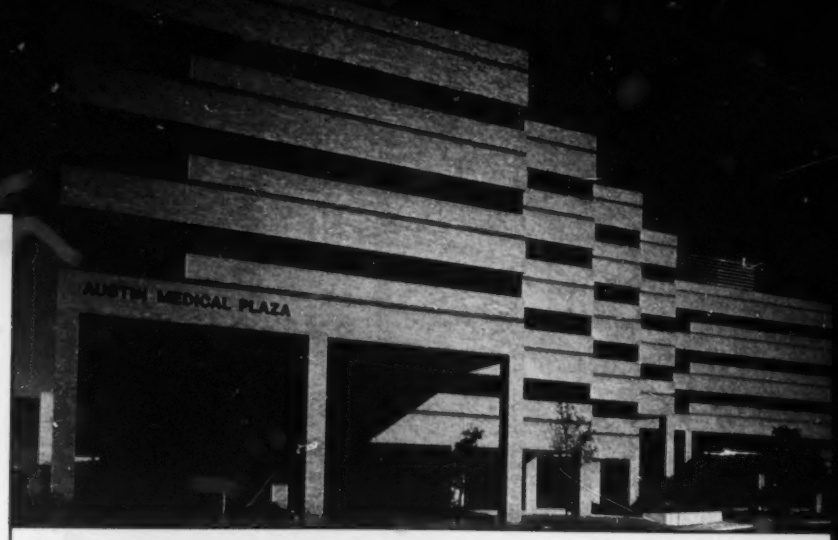
Schumacher & Forelle Inc.
560 Northern Blvd.
Great Neck, NY 11021
(516) 482-8730
James W. Schubauer, Pres.

Eighty-five percent of work involves reconstruction. Firm provides architectural, engineering and construction services, specializing in the renovation and expansion of laboratory, manufacturing and administrative office facilities while they are being occupied. Firm's services to R&D and manufacturing/process facilities have increased significantly. Firm also has an office in Mexico City.

15 (—) **$101.51**

The Alter Group
3000 Glenview Road
Wilmette, IL 60091
(312) 256-7700
William A. Alter, Pres., CEO

Jon Construction Inc., one of the firm's seven subsidiaries, has ranked in this category previously and its work is reflected in the figure above. The firm's various subsidiaries offer services in the areas of planning, development, financing, engineering, design, construction, general contracting, management and maintenance. Firm applies these services to residential communities as well as to commercial and industrial buildings and parks.



The $10 million Austin Medical Plaza in Austin, Texas, was designed and constructed by Marshall Erdman and Associates Inc. Photo: Jim Wilson

16 (6) **$93.89**

Bellemead Development Corp.
4 Becker Farm Road
Roseland, NJ 07068
(201) 740-1110
Donn Norton, Pres.

Though the bulk of Bellemead's work in 1987 was commercial, the firm is becoming more involved in continuing-care health care facilities. Firm is also known for its work on suburban office buildings, data centers, corporate offices and residential townhouses. To be completed in January 1989 is St. Clare's Medical Center, an 80,000-sq.-ft. project in Denville, N.J.

17 (17) **$90.00**

Marshall Erdman & Assoc.
5117 University Ave.
Madison, WI 53705
(608) 238-0211
Roger Hauck, Pres.
Marshall Erdman, Chmn.

With seven U.S. offices and a staff of 570, the firm is involved in the programming, design, development and construction of outpatient medical space. Among its current projects are York Hospital Mall, an 110,000-sq.-ft. facility in York, Pa., and Charlotte Memorial Hospital, a 200,000-sq.-ft. medical office building in Charlotte, N.C.

18 (—) **$81.00**

Devcon Construction Inc.
555 Los Coches St.
Milpitas, CA 95035
(408) 942-8200
Barry Ludwig, Prin.

Devcon specializes in R&D facilities in California's Silicon Valley, as well as mid-rise office buildings. Seventy-five percent of its work was industrial in 1987, while commercial buildings accounted for 25 percent. Current projects include corporate airport facilities for Hewlett Packard in San Jose and a 230,000-sq.-ft. R&D facility for the same company in Sunnyvale, Calif.

19 (13) **$76.16**

Bank Building & Equipment Corp. of America
3630 South Geyer Road
Sunset Hills, MO 63127
(314) 821-2265
Carl J. Weis, Pres., CEO

Firm also has offices in Hartford and Atlanta. It specializes in the design and construction of banking facilities. Fifty-five percent of its work is reconstruction.

20 (14) **$70.00**

Huber, Hunt & Nichols Inc.
P.O. Box 128
Indianapolis, IN 46206
(317) 241-6301
Bruce W. Bennett, Pres.

The firm is a subsidiary of the Hunt Corp. and has subsidiaries in the areas of construction management, general contracting and highway paving. Its work for 1987 was almost evenly divided among commercial, institutional and industrial building. Firm specializes in heavy industrial, health care and athletic facilities. Only 5 percent of its work is reconstruction.

The value of construction put in place for an average design/builder was $133 millon.

21 (20) **$64.40**

James N. Gray Construction Co. Inc.
Highway 90 West
Glasgow, KY 42141
(502) 651-8891
C.C. Howard Gray, Pres.
James P. Gray, Exec. VP

Firm specializes in design/build for the commercial and industrial building sectors. Its subsidiary INTEGRA performs design and engineering work. Within the industrial sector, firm's construction work is expanding beyond the state of Kentucky. Firm is currently at work on a $15 million facility for Kokoku Rubber Industries in Richmond, Ky., and a YMCA in Maysville, Ky.

22 (—) **$50.00**

Pickens-Bond Const. Co.
Box 34167
Little Rock, AR 72203
(501) 666-6200
C. Ray Higgins, Pres.

Firm has ranked in General Contractor category in previous years. Its parent company is Phelps Inc. Firm has construction and masonry subsidiaries and specializes in hotel, shopping mall, hospital and office building construction. Sixty-five percent of its work is commercial, 25 percent is institutional and 10 percent is industrial.

23 (—) **$48.00**

AMCA International Construction Corp.
353 North Gloster
Tupelo, MS 38801-3696
(601) 842-3240
Robert C. Kelley, Pres.

Firm was formerly known as JESCO Inc. Its name changed upon its acquisition of ENCORP in Cincinnati. Its parent company is AMCA International Corp. Firm specializes in providing design/build services for industrial and commercial facilities. Recently completed was Dennison Manufacturing, a $6 million manufacturing facility in Meridian, Miss. Eight health clinics in Cairo, Egypt, valued at $16 million will be completed later this year.

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American Medical Buildings Inc. doubles its staff size, reorganizes; Paric Corp. expands into retirement facilities market

24
(22)
$48.00

Tribble & Stephens Co.
10610 Haddington Drive
Houston, TX 77043
(713) 465-8550
James H. Stephens, Pres.
Jay Tribble, Chmn.

The firm has continued its geographic expansion, moving from a regional to a national scope. It is also pursuing larger projects and more design/build and build-to-suit work. Historically, the firm's major project types have been light and medium industrial facilities, as well as office and retail. To be completed next spring is Cortez Plaza, an $8 million retail renovation and expansion in Bradenton, Fla.

Over two-thirds of top 30 design/builders expect their revenues to increase in 1988; 19 percent expect their revenues to remain the same.

27
(18)
$45.00

Seppala and Aho Construction Co. Inc.
Peterborough Road
New Ipswich, NH 03071
(603) 878-2424
Samuel Seppala, Pres.

Firm has several subsidiaries that supply and fabricate building materials. It specializes in fast-tracked design/build services for commercial and industrial buildings, with high-tech R&D facilities, hotels, offices, shopping centers and high-rise condos among the building types it services. Firm staffs 600 employees.

25
(30)
$46.75

American Medical Buildings Inc.
735 N. Water St.
Milwaukee, WI 53202
(414) 227-0222
John V. Lundeen, Pres., CEO

Staff size doubled in the last year and new divisions in health care strategic planning, elderly housing and health care recruitment were organized. Staff of 123 includes 38 registered architects. Firm specializes in design/build for outpatient health care facilities and hospitals. Several medical office buildings are under way nationwide including those in New York, Hawaii, Illinois, Pennsylvania and Mississippi.

26
(11)
$45.86

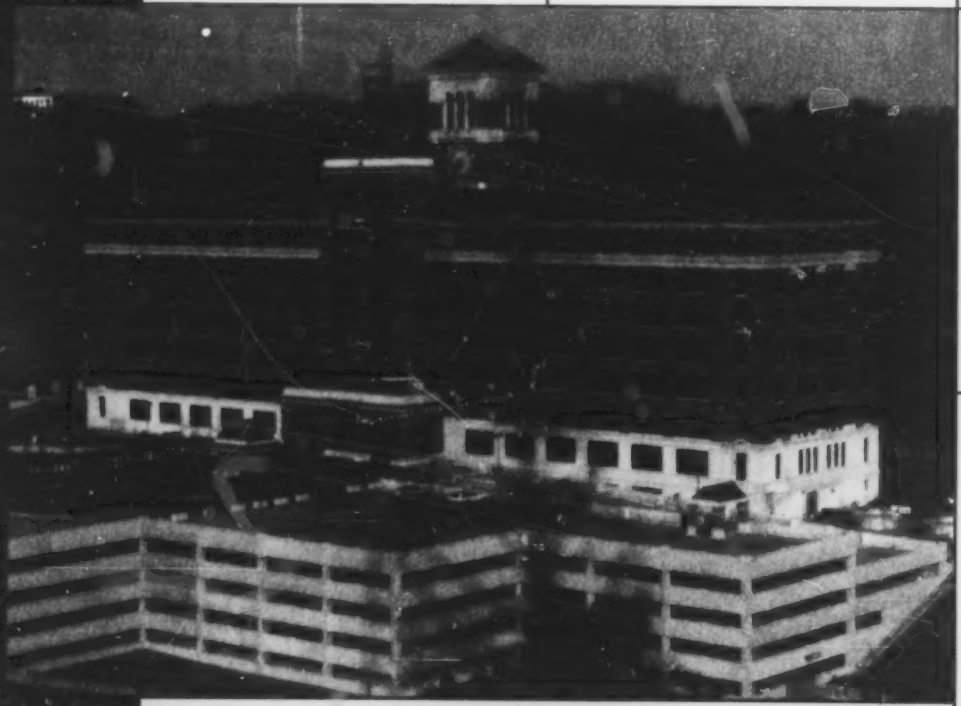
McCormick Construction Co. Inc.
11011 McCormick Road
Hunt Valley, MD 21031
(301) 771-7900
Weldon A. Lee, Pres.

Firm's parent company is McCormick Properties, which is wholly owned by McCormick & Co. Its work is primarily within the commercial and industrial building sectors. Nearly 10 percent of its work is reconstruction. Recent projects include Fairmont Place, a 10-story office building in Towson, Md., and an R&D facility for Nova Pharmaceutical in Dundalk, Md.

28
(—)
$42.90

Corporex Cos. Inc.
1717 Dixie Highway
Fort Wright, KY
(606) 331-5000
William P. Butler, Pres., CEO

Firm's subsidiary, Corporex Constructor Inc., has ranked in this category in previous years. Firm is known for build-to-suit and design/build construction services for office, hotel, mixed-use and industrial facilities. Twenty-three percent of its work involves reconstruction. Recently completed projects include the Grand Baldwin, the conversion of a 250,000-sq.-ft. industrial facility to office space in Cincinnati. River Center, a riverfront office/hotel facility in Covington, Ky., will be completed in 1989.



***The Corporex Cos. recently completed** the Grand Baldwin, a 250,000-sq.-ft. conversion of industrial space to offices.*

29
(23)
$41.80

Paric Corp.
689 Craig Road
St. Louis, MO 63141
(314) 432-4320
Paul J. McKee Jr., Chmn., CEO
Richard F. Jordan, Pres., COO

Paric continues to expand its design/build services into new markets, most notably retirement facilities. Firm is also known for its work on commercial and industrial facilities. Among the firm's several Missouri-based projects is City Place, a $25 million mixed-use complex in Creve Coeur to be completed in 1989. Brooking Park, a 92-unit residential care facility in St. Louis, will be completed this fall.

30
(—)
$41.57

Rudolph/Libbe Inc.
6494 Latcha Road
Walbridge, OH 43465
(419) 241-5000
Frederick W. Rudolph, Pres.
Philip J. Rudolph, VP
Allan J. Libbe, Sec./Treas.

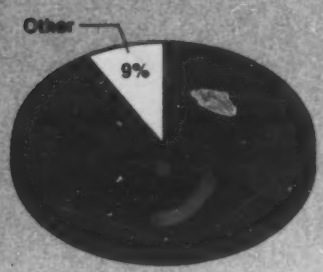
Firm also has general contracting, development, and construction management subsidiaries. It provides design/build and construction management services to industrial and corporate clients, with reconstruction accounting for 20 percent of its work. Recently completed projects include a $16 million paint facility in Wixom, Miss.

CONSTRUCTION MANAGERS

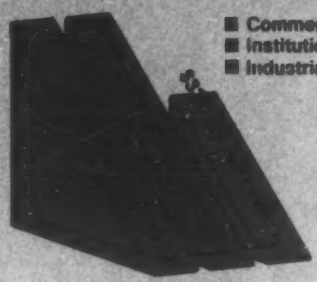
CM CONTINUES TO GAIN OWNER ACCEPTANCE

Downsizing of corporate real estate staffs is leading to CM's increased use in the industrial buildings market

Breakdown of the Construction Managers' Billings



Value of the Construction Managers' Billings (% change)



4 (7) **$75.49**

Morrison Knudsen Corp.
One Morrison Knudsen Plaza
Boise, ID 83707
(208) 386-8000
W.J. Deasy, Pres.

Fees estimated on put-in-place construction value of more than $807 million. Company also is listed in the General Contractors and Design/Builders categories. Current projects include the $700 million General Motors assembly plant in Kansas City, Kan.; the Saturn auto plant in Spring Hill, Tenn.; and the $29 million Prince George's Correctional Center in Marlboro, Md.

1 (—) **$698.00**

Fluor Daniel
Daniel Building
Greenville, SC 29601
(803) 298-2500
V.L. Kontny, Pres.

Current work includes projects at two auto manufacturing facilities, a 480,000-sq.-ft. addition to a GM facility in Doraville, Ga., and modifications and an 80,000-sq.-ft. addition at a Chrysler Corp. plant in Newark, Del. Reported volume combines activities of Fluor and Daniel. Although Fluor acquired Daniel in 1977, their reporting systems were not fully consolidated until 1987.

3 (4) **$76.00**

Lehrer McGovern Bovis
387 Park Ave. South
New York, NY 10016
(212) 576-4000
P. Lehrer, E. McGovern, Co-Chmn.

Current projects include a multibuilding expansion at St. Lukes/Roosevelt Hospital in New York City and a $70 million renovation of 14 buildings in the Bronx borough of New York City to provide 1,000 housing units. Bovis Construction Ltd. of London has acquired the remaining 50 percent of the company's stock that it did not previously own.

5 (10) **$62.35**

Bechtel Group Inc.
50 Beale St.
San Francisco, CA 94119
(415) 768-1234
S.D. Bechtel, Chmn.

Current projects include a 512-bed, $40 million facility in Ault, Colo., that will be the state's first privately owned adult prison. Scheduled for completion in 1989 are the 130-acre Disney-MGM Studio Tour complex in Orlando, Fla., and the 800-room Bally's Park Place Casino Hotel in Atlantic City.

2 (1) **$122.19**

CRS Sirrine, Inc.
1177 West Loop South
Houston, TX 77027
(713) 552-2000
Bruce Wilkinson, Pres.

Firm also is listed in the Engineer/Architects category. Current CM projects include a 3 million-sq.-ft. R&D facility for 3M Company in Austin, Texas; the $675 million Chrysler Technology Center in Auburn Hills, Mich.; the $542 million Merrill Lynch Financial Center in New York; and a nationwide chain of dealerships for GM's Saturn Division.

***Gilbane Building Co. was construction manager** for the 1.3 million-sq.-ft. George R. Brown Convention Center in Houston.*

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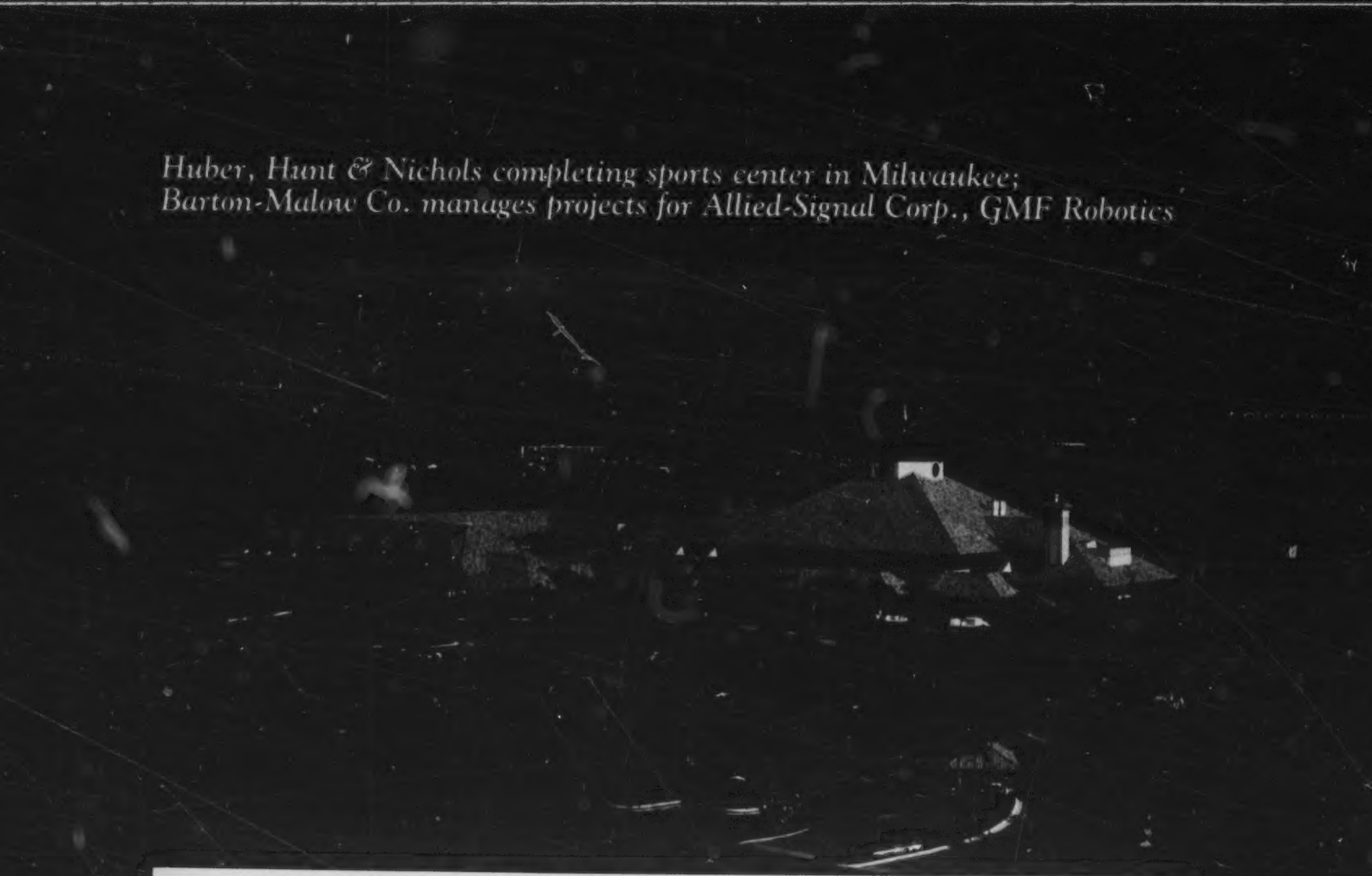
Huber, Hunt & Nichols completing sports center in Milwaukee; Barton-Malow Co. manages projects for Allied-Signal Corp., GMF Robotics



***Morse/Diesel managed construction** of the Doral Saturnia International Spa Resort in Miami.*

6
(8)
$61.60

Huber, Hunt & Nichols Inc.
P.O. Box 128
Indianapolis, IN 46206
(317) 241-6301
Bruce W. Bennett, Pres.

Company also is listed in the General Contractors and Design/Builders categories. Projects scheduled for completion this year include the $56 million Bradley Sports and Entertainment Center in Milwaukee, the $28 million Market Tower in Indianapolis and the 62-story One Liberty Place in Philadelphia. Under construction is the 48-story One Bank Center in Indianapolis.

8
(—)
$58.50

Barton-Malow Co.
P.O. Box 5200
Detroit, MI 48235
(313) 351-4500
Ben C. Maibach, Pres.

Projects completed in 1987 include the $29 million Allied-Signal Corp. technical headquarters in Morristown, N.J.; the $23 million GMF Robotics Corp. headquarters and technical center in Rochester Hills, Mich.; the $29 million Polk County Judicial Center in Bartow, Fla.; and the $12 million Wexner Institute research facility in Columbus, Ohio.

9
(3)
$49.50

Morse/Diesel Inc.
1515 Broadway
New York, NY 10036
(212) 730-4000
Donald H. Piser, Chmn., CEO

Firm has completed a $100 million rehabilitation project for the Milwaukee Repertory Theater. Projects to be completed this year include the $55 million Swiss Grand Hotel in Chicago, the 31-story 101 Federal Street office building in Boston and the $52 million Lorton (Va.) Correctional Facility.

7
(2)
$58.54

Gilbane Building Co.
7 Jackson Walkwa,
Providence, RI 02940
(401) 456-5800
William J. Gilbane, Chmn.

Fees were estimated by *BD&C* on put-in-place construction value of $844 million. Recently completed projects include the $115 million George R. Brown Convention Center in Houston and the Mellon Independence Center in Philadelphia, a $75 million renovation. Nearing completion is the $58 million restoration of the Union Station in Washington, D.C.

The largest increase for CMs was in institutional work, followed by gains in industrial and commercial projects

10
(6)
$47.95

Tishman Realty & Construction Co.
666 Fifth Ave.
New York, NY 10103
(212) 399-3600
John L. Tishman, Chmn., CEO

Fees were estimated by *BD&C* on put-in-place construction value of $685 million. Company's recently completed projects include the 20-story Hotel Nikko in Chicago. In New York City, the company is working on five major projects comprising more than 3 million sq. ft. of space.

GENERAL CONTRACTORS

CII VOLUME INCREASES 14%

Gains are paced by a 30% rise in industrial work; institutional increases 14%, but commercial is up only 4%

1
(1)
$2,790.00

The Turner Corp.
633 Third Ave.
New York, NY 10017
(212) 878-0400
H. D. Conant,
Chmn., CEO

Completed 357 projects totaling 31 million sq. ft. Current projects include a 1.6 million-sq.-ft. United Air Lines terminal at Chicago's O'Hare International Airport. Other current projects, both to be completed in 1989, include the $85 million Portland (Ore.) Convention Center and a $22 million addition to Riverfront Prison in Camden, N.J.

2
(2)
$1,230.00

Jones Group Inc.
6060 St. Albans St.
Charlotte, NC 28287
(704) 553-3100
Johnie H. Jones,
Pres., Bd. Chmn.

Current projects include the 42-story One Union Center in Charlotte and two Chicago projects: 900 N. Michigan Ave., a $170 million mixed-use development and 311 S. Wacker, which at 70 stories will be the world's tallest concrete building. The company also completed renovation of the west front of U.S. Capitol.

3
(5)
$792.75

The Clark Construction Group Inc.
7500 Old Georgetown Road
Bethesda, MD 20814
(301) 657-7100
A. James Clark,
Chmn., CEO

Completed the 850,000-sq.-ft. Columbia Square office building and the Grand Hyatt Hotel, both in Washington, D.C. Scheduled for completion in 1989 are the 1 million-sq.-ft. Miami Beach Convention Center and a 650,000-sq.-ft. research and engineering building for the U.S. Army at Fort Meade, Md.

4
(4)
$774.54

McDevitt & Street Co.
One Parkway Plaza
Charlotte, NC 28232
(704) 525-8110
E.R. Street, Chmn., CEO

Major projects completed in 1987 include a 12-story Embassy Suites hotel in San Diego; the 410-room Wyndham Hotel and Convention Center in Palm Springs, Calif.; the Carolinas Heart Institute at Charlotte Memorial Hospital; the Speedway Club, a seven-story sports facility in Charlotte; a 365-room Omni hotel and two office buildings in Richmond, Va.; and a 320-room Marriott Hotel in Memphis.

5
(—)
$725.00

Centex Corp.
3333 Lee Parkway
Dallas, TX 75219
(214) 559-6500
Paul R. Seegers,
Chmn., CEO

Projects under construction or completed since January 1987 include seven medical facilities, three office buildings, four hotels and an $84 million terminal expansion at Miami International Airport. Acquired Nashville-based Rodgers Construction Co. Other subsidiaries are J.W. Bateson Co., Dallas; Frank J. Rooney Inc., Fort Lauderdale; and M.H. Golden Co., San Diego.

6
(6)
$719.15

BE&K Inc.
2000 International Park Drive
Birmingham, AL 35243
(205) 969-3600
T.C. Kennedy, Pres.
W.F. Edmonds, Chmn.

Company also is listed in the Design/Builders and Engineers categories. Current projects include a $300 million expansion of a newsprint mill in Dublin, Ga. Company is known for engineering, construction and construction management of industrial, power and cogeneration facilities.

7
(10)
$601.04

Dillingham Construction
P.O. Box 1089
Pleasanton, CA 94566
(415) 463-3300
Donald K. Stager,
Pres., CEO

Completed a 330,000-sq.-ft. correctional facility in Aiea, Hawaii; the 40-story Wilshire Finance Building in Los Angeles; the $63 million One Waterfront Plaza office/commercial complex in Honolulu; and the $34 million Marianna (Fla.) Federal Correctional Facility. Scheduled for completion next year is the $188 million Hyatt Regency Waikoloa in Hawaii.

Construction of New York Hospital's Helmsley Medical Tower was managed by a subsidiary of Jones Group Inc.
Photo: Stephen Senigo

© 1988 BUILDING DESIGN & CONSTRUCTION

Mellon Stuart Co. completes 31-story Pittsburgh tower; Weitz Co. builds $70 million L.A. office building

***Blount Construction Group** was general contractor for the $20 million, 250,000-sq.-ft. NORAD and Space Command Headquarters in Colorado Springs.*

8 (9) **$542.00**

HCB Contractors
4600 Interfirst One
Dallas, TX 75202
(214) 747-8541
Lawrence A. Wilson, Pres.

Completed projects include the 51-story IBM Tower at Atlantic Center in Atlanta; the 42-story Cityplace East in Dallas; the $104 million Gallery at Harbor Place/Stouffer Hotel in Baltimore; the 14-building, $126 million IBM Southlake Park in Westlake, Texas; and the $15 million headquarters for Computer Sciences Corp. in Falls Church, Va.

9 (7) **$541.01**

Perini Corp.
73 Mt. Wayte Ave.
Framingham, MA 01701
(617) 875-6171
David B. Perini, Chmn., Pres.

Major projects completed include the more than $100 million Showboat Hotel and Casino in Atlantic City, the 850-room Hyatt Burlingame (Calif.) Hotel, and a $35 million Life Science Building at the University of California-Berkeley. To be completed in 1989 is the $115 million San Diego Convention Center.

10 (3) **$516.72**

Fluor Daniel Inc.
Daniel Building
Greenville, SC 29601
(803) 298-2500
V.L. Konty, Pres., CEO

Current projects include a maximum/medium security prison in Tennessee Colony, Texas; two 13-story hotels for Hyatt Development Corp. in Fairfax County, Va.; a 1.5 million-sq.-ft. Wal-Mart distribution center in Laurens, S.C.; and housing construction for the U.S. Navy in Charleston, S.C.

11 (8) **$514.29**

Blount Construction Group
4250 Executive Park Drive
Montgomery, AL 36195
(205) 272-8000
J.K. Lemley, Pres.

Major projects completed include the 23-story Real Estate Industry Center in San Francisco, the 15-story Concord (Calif.) Office Plaza and the $37 million Federal Building East in Portland, Oregon. Under construction are the $91 million San Jose (Calif.) Convention Center, scheduled for completion in December, and the 1.7 million-sq.-ft. AT&T Corporate Center in Chicago.

Twenty-one contractors which were also on last year's list reported increased revenues; 15 reported declines

12 (13) **$458.15**

Mellon Stuart Co.
One North Shore Center
Pittsburgh, PA 15212
(412) 323-4600
David Figgins, Chmn., CEO

Major projects completed include two 11-story towers and a parking garage at Riverway in Rosemont, Ill.; the 31-story Fifth Avenue Place in Pittsburgh; the 14-story Three Christina Centre office building in Wilmington, Del.; and the 28-story First F.A. Building in Orlando, Fla. Under construction are the 50-story 35 W. Wacker Building in Chicago and twin 50-story office buildings in Philadelphia.

13 (11) **$455.00**

J.S. Alberici Construction Co.
2150 Kienlen Ave.
St. Louis, MO 63121
(314) 261-2611
Gabriel J. Alberici, Chmn.

Completed a $30 million building for Chrysler Corp. in Belvidere, Ill., and a $50 million hospital for St. Louis University. Under construction and scheduled for completion next year is a $29 million engineering building at Fort Leonard Wood, Mo. Company also has offices in Denver and Greenville, N.C. About half of its work involved reconstruction.

14 (22) **$451.72**

The Whiting-Turner Contracting Co.
300 E. Joppa Road
Baltimore, MD 21204
(301) 821-1100
Willard Hackerman, Pres.

Current projects include a space telescope building at Johns Hopkins University in Baltimore; a 1 million-sq.-ft. office complex for IBM in Southbury, Conn.; a retail mall in Plantation, Fla.; and a Piedmont Airlines addition at Baltimore-Washington International Airport.

15 (12) **$427.50**

McCarthy
1341 N. Rock Hill Road
St. Louis, MO 63124
(314) 968-3300
Michael M. McCarthy, Chmn.

Projects completed last year included the Scottsdale (Ariz.) Princess, a $46 million hotel facility. Scheduled for completion in October of this year are Metropolitan Square, a 42-story office building in St. Louis, and Phoenician Resort at Camelback Mountain, a $130 million, 575-room resort in Phoenix.

16 (—) **$410.06**

M.A. Mortenson Co.
700 Meadow Lane N.
Minneapolis, MN 55422
(612) 522-2100
M.A. Mortenson Jr., Pres.

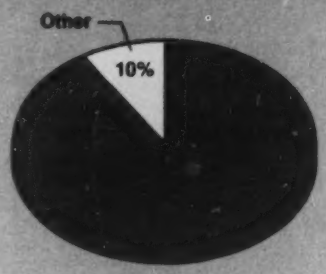
Major projects completed include the $27 million Conservatory retail complex in Minneapolis. Under construction are the $102 million Minneapolis Convention Center, scheduled for completion in 1991; the $38 million 100 E. Wisconsin Avenue office building in Milwaukee; and the $20 million Dakota County Law Enforcement Center in Hastings, Minn.

17
(14)
$405.00

Koll Construction Co.
4343 Von Karman Ave.
Newport Beach, CA 92660
(714) 833-3030
Don Koll, Chmn.
John Wills, Pres.

Major projects completed include the Grandway Phase I, a 14-story office building and shopping pavilion in Los Angeles; the $58 million Omni International Hotel in San Diego; and the $20 million Inn at Semiahmoo in Blaine, Wash. Under construction are the 14-story Koll Center Orange (Calif.) Phase I and the Columbia Savings & Loan Association building in Beverly Hills, Calif.

Breakdown of the General Contractors' Construction



23
(43)
$282.26

The Weitz Co. Inc.
800 Second Ave.
Des Moines, IA 50309
(515) 245-7600
Glenn DeStigter, Pres.

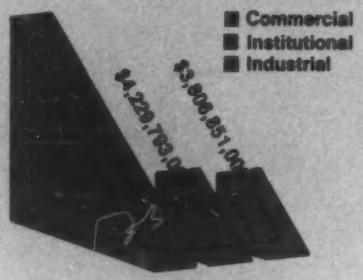
Projects completed last year include Fox Plaza, a $70 million office tower in Los Angeles, and a $16 million distribution center in Henderson, Colo. Projects in progress include the $15 million Harbourside Hotel in Portsmith, N.H.; a $30 million horse race track in Des Moines; and a $4.8 million mixed-use project for Ford Aerospace in Colorado Springs.

18
(19)
$378.51

Swinerton & Walberg Co.
580 California St.
San Francisco, CA 94104
(415) 421-2980
Milo S. Gates, Pres.

Projects currently under construction include an $83 million newspaper production facility for the Los Angeles Times, the 52-story Mitsui Fudosan office building in Los Angeles, the $50 million San Francisco Centre retail project, a $23 million Hewlett-Packard office/assembly/distribution facility in Roseville (Calif.) and a $12 million renovation of the California State Prison at San Quentin.

Value of the General Contractors' Construction (% change)



24
(21)
$265.00

Dinwiddie Construction Co.
333 Bush St., Suite 1100
San Francisco, CA 94104
(415) 986-2718
T.W. Smith, Pres.

Company completed the $27 million Hughes Aircraft Research Center in Goleta, Calif. Scheduled for completion later this year are the eight-building, $90 million AT&T Western Region Operations Center in Pleasanton, Calif., and three projects at Embarcadero Center West in San Francisco: a Four Seasons Hotel, a $17 million renovation of the Federal Reserve Bank Building and a 33-story office tower.

19
(15)
$344.00

Huber, Hunt & Nichols Inc.
P.O. Box 128
Indianapolis, IN 46206
(317) 241-6301
Bruce W. Bennett, Pres.

Construction management work is separately listed in that category. Current projects include the $52 million AT&T Solid State Technology Center in Allentown, Pa.; the $62 million Florida Suncoast Dome multipurpose stadium in St. Petersburg; and a $2.8 million General Motors Corp. foundry renovation in Bedford, Ind.

21
(18)
$296.40

The Pepper Cos. Inc.
643 N. Orleans St.
Chicago, IL 60610
(312) 266-4703
G.C. Knudson, Pres.

Firm is completing construction of the $20 million Palm Beach (Fla.) Gardens Mall and a 337-room Embassy Suites Hotel in San Diego. Other projects include the $35 million Oceanarium at the Shedd Aquarium in Chicago, to be completed in 1990, and a $20 million renovation of Marshall Field's downtown Chicago store, to be completed by 1991.

25
(29)
$259.20

Hensel Phelps Construction Co.
P.O. Box O
Greeley, CO 80632
(303) 352-6565
Jerry Morgensen, Pres.

Projects under construction include the $28 million Sheraton at Torrey Pines in San Diego; the preconstruction phase for the Denver Convention Center; a $13 million expansion at Scripps Memorial Hospital in San Diego; a $9 million civic center in Greeley, Colo.; and an $8.4 million building for the Department of Social Services in Riverside, Calif.

20
(—)
$318.68

Fru-Con Construction Corp.
15933 Clayton Road
Ballwin, MO 63011
(314) 391-6700
Manfred Lupp, Pres.

Recently completed projects include Fru-Con Center, a $15 million office building in Ballwin, Mo.; $8 million of improvements at Deaconess Hospital, St. Louis; and a $27 million expansion at Jackson-Madison County Hospital, Jackson, Tenn. Company is a subsidiary of Bilfinger + Berger, a West German design/construct firm.

22
(30)
$295.00

Stolte Inc.
11300 W. Olympic Blvd.
Los Angeles, CA 90064
(213) 479-8066
William Loorz, Pres.

Recently completed projects include the $29 million Valley Presbyterian Hospital in Van Nuys, Calif.; the $11 million Pylon Corp. Center in Boca Raton, Fla.; the $6 million Mission Bay Aquatic Center in Boca Raton; the $15 million Embassy Suites Hotel in Irvine, Calif.; and the $10 million Sierra Medical Center in El Paso, Texas. Company was acquired in August 1987 by John Holland Corp., an Australian contractor.

26
(27)
$254.58

PCL Enterprises Inc.
200 Filmore St.
Denver, CO 80206
(303) 355-2522
R. Stollery, Chmn.

Company completed the 35-story Quaker Tower in Chicago and the Cook Street Residences, a twin-tower apartment development in Denver. Other current projects include a $56 million expansion at the Albuquerque Airport and the $42 million Downers Grove (Ill.) Office Complex, scheduled for completion in 1990.

Wright Schuchart completing three Seattle office projects; Rudolph and Sletten builds $31 million Hewlett-Packard office building

Austin Commercial Inc. *was general contractor for the 55-story Texas Commerce Tower in Dallas.*

27 (26) **$252.20**

Torcon Inc.
P.O. Box 609
Westfield, NJ 07091
(201) 232-8900
Benedict Torcivia, Pres., CEO

Company completed a 245,000-sq.-ft. office building and a 300-room hotel in Short Hills, N.J. Under construction are a 30-story office building in Jersey City, a 200-room hotel addition at Newark International Airport, a data center for First Boston Corp. in Princeton, N.J., and a R&D facility in Branchburg, N.J.

28 (—) **$237.00**

Kraus-Anderson Construction Co.
525 S. 8th St.
Minneapolis, MN 55404
(612) 332-7281
Lloyd Engelsma, CEO

Projects scheduled for completion this year include a $60.4 million R&D office building for 3M Co. in Austin, Texas; an $8.7 million renovation of an 11-story 1900s warehouse in Minneapolis; a 214-room Radisson Hotel in Rochester, Minn.; and an $8 million library at Macalester College in St. Paul.

29 (25) **$225.00**

Walbridge Aldinger
38099 Schoolcraft
Livonia, MI 48150
(313) 591-6000
John Rakolta Sr., Chmn.
John Rakolta Jr., Pres.

Company's largest current project is the 2.1 million-sq.-ft. Chrysler Technology Center in Auburn Hills, Mich. Other projects include a $50 million renovation/retrofit of a Ford Motor Co. plant in Romeo, Mich., and a $5.2 million Plastics Application and Development Center for General Electric Co. in Southfield, Mich.

30 (—) **$215.80**

Austin Commercial Inc.
P.O. Box 2879
Dallas, TX 75221
(214) 630-7011
Ronald J. Gafford, Pres.

Projects recently completed include the 55-story Texas Commerce Tower and the 510,000-sq.-ft. Steak & Ale headquarters, both in Dallas; a Four Seasons Hotel and 1 million sq. ft. of offices in Austin, Texas; a $125 million printing plant for the Dallas Morning News in Plano, Texas; and the 1.4 million-sq.-ft. Vista Ridge Mall in Lewisville, Texas.

31 (40) **$205.21**

Morrison Knudsen Corp.
1 Morrison Knudsen Plaza
Boise, ID 83707
(208) 386-5000
W.J. Deasy, Pres., CEO

Firm is also listed in the Construction Managers and Design/Builders categories. Current projects include a $166 million automated warehouse nearing completion in New Cumberland, Pa., the $11 million First Interstate Center office building under construction in Boise and $23 million of housing units at Fort Ord, Calif.

32 (20) **$205.08**

Robert E. McKee Inc.
2608 Inwood Road
Dallas, TX 75235
(214) 357-4381
Mason C. Brown, Pres.

Current projects include a $21 million, three-building complex in San Antonio for VLSI Technologies and an $18 million, 420,000-sq.-ft. refrigerated warehouse and distribution center in Los Angeles for CFS Continental. Formerly a subsidiary of Santa Fe Southern Pacific, company was acquired in October 1987 by the publicly held Jacobs Engineering Group.

33 (34) **$181.45**

Spaw-Glass Const. Inc.
2727 Kirby Drive
Houston, TX 77098
(713) 529-4451
Cecil Windsor, Pres.

Projects nearing completion include a $16 million adult detention center in San Antonio and a $3.6 million remodeling of the Harris County Criminal Courts Building in Houston. Scheduled for completion in 1989 are the $11 million Sprague Clinical Science Building in Dallas and the $12 million Coppell (Texas) High School. Firm is a subsidiary of SAE, a Paris-based international general contractor.

Twelve of the top 50 GCs are new to the listing this year

© 1988 BUILDING DESIGN & CONSTRUCTION

Continental Heller Corp. was general contractor for the $44 million, 230-bed California Medical Center in Los Angeles, completed last year.

34
(23)
$177.08

Wright Schuchart Inc.
P.O. Box 3764
Seattle, WA 98124
(206) 447-7545
Bruce J. Connor, Pres.

Projects completed in 1987 included Anchorage (Alaska) Center, a $44 million retail development. Scheduled for completion this year are a 56-story office tower, the $48 million Westlake Center office building and Met Fed II, a $23 million office building, all in Seattle. Company is a subsidiary of Fletcher Schuchart Helsell Limited.

35
(—)
$175.00

Continental Heller Corp.
P.O. Box 2551
Sacramento, CA 95812
(916) 920-9600
Andrew E. Carlson, Pres.

Projects to be completed this year include the $17 million American Express Office Building in Phoenix; two office buildings in Redwood City, Calif.; and 49 Stevenson, a $13 million office building in San Francisco. Under construction are a $36 million [illegible]neering building at UCLA and a $33 million te[illegible]l at San Jose Airport. Subsidiary of SAE, a Paris-based international general contractor.

36
(24)
$170.98

Rudolph and Sletten Inc.
P.O. Box 4637
Foster City, CA 94404
(415) 572-1919
Onslow Rudolph, Pres.
Ken Sletten, Exec. VP

Projects completed in 1987 included a $31 million office building for Hewlett-Packard in Cupertino, Calif.; the $30 million Skywalker Ranch movie studio building in Nicasio, Calif.; an $8.5 million R&D center for Avery International in Pasadena; and a $6.5 million laboratory facility for Digital Equipment Corp. in Cupertino.

37
(—)
$163.87

The Harkins Group
12301 Old Columbia Pike
Silver Spring, MD 20904
(301) 622-9000
Thomas Harkins, Chmn.
J.P. Blase Cooke, Pres.

Company is active in multifamily and commercial building markets. Current projects include the Merion, a 120-unit mid-rise residential development in Columbia, Md.; Grosvenor House II, a 237-unit high-rise residential building in Rockville, Md.; and the Fairfax, a life care facility being developed by Marriott Corp. in Fort Belvoir, Md.

38
(50)
$161.98

Kitchell Corp.
1006 S. 24th St.
Phoenix, AZ 85034
(602) 275-7541
Vernie Lindstrom, Pres.

Current projects include a 226,000-sq.-ft. regional sales office for Hewlett-Packard in North Hollywood, Calif.; the 1.4 million-sq.-ft. Motorola Government Electronic Group Aerospace Operations Facility in Chandler, Ariz.; a five-story office building in Scottsdale, Ariz.; and a major remodeling of the Wigwam Country Club Resort in Litchfield Park, Ariz.

39
(39)
$154.38

Oltmans Construction Co.
10005 Mission Mill Road
Whittier, CA 90608
(213) 948-4242
R.M. Holmes, Chmn., CEO

Company is active in the commercial and industrial markets, including tilt-up concrete warehouse buildings. Current projects include a $5 million medical office building in West Covina, Calif.; eight tilt-up buildings in Rancho Cucamonga, Calif.; eight tilt-up buildings at the O'Donnell Corporate Center in Irvine, Calif.; and a $1.9 million warehouse expansion in Rancho Dominguez, Calif.

40
(31)
$154.37

Dick Corp.
P.O. Box 10896
Pittsburgh, PA 15236
(412) 384-1000
Dorsey W. Dick, Pres.

Company is nearing completion of the $46.8 million Union Station renovation in Washington, D.C. Also scheduled for completion this year is the 22-building Chemung Correctional Facility for the state of New York in Southport, N.Y., and the 1,400-inmate Fulton County (Ga.) Jail. Completed last year was a twin-tower office development in Corpus Christi, Texas.

41
(28)
$146.56

Hardin Construction Group Inc.
1380 W. Paces Ferry Road, N.W.
Atlanta, GA 30327
(404) 264-0404
Earl Shell, Chmn., CEO

Projects completed in 1987 included a 20-story Radisson Suite Hotel in Myrtle Beach, S.C.; the eight-story Lakepointe I Office Building in Tampa, Fla.; the 396-room Airport Hilton Hotel in Fort Lauderdale, Fla.; and renovation of the 285-room Biltmore Hotel in Coral Gables, Fla.

Hardin Construction Group was general contractor for the Bayport Plaza Hyatt Hotel in Tampa.

©1988 BUILDING DESIGN & CONSTRUCTION

Nielsen Construction building hotel, office building in La Jolla; Algernon Blair International completes county office building in Atlanta

42
(35)
$142.20

Nielsen Construction Co.
3127 Jefferson St.
San Diego, CA 92138
(619) 291-6330
Stephen Marble, Pres.

Company has completed the first phase of Rio Vista Towers in San Diego, which includes a 12-story office tower. Scheduled for completion in 1989 are the $60 million Aventine development in La Jolla, which will include a 400-room Hyatt Hotel and a 13-story office building; the $13 million Herberger Theater in Phoenix; and the $20 million La Jolla Executive Tower.

45
(—)
$130.00

Dimeo Construction Co.
75 Chapman St.
Providence, RI 02905
(401) 781-9800
Harry VanMatre, Pres.

Current projects include $10 million of additions/renovations at Brown University and $13 million of laboratory renovations at Rhode Island Hospital, both in Providence; a $42 million atrium pavilion building at University Hospital in Boston; a $14 million office building for Digital Equipment in Littleton, Mass.; and $7 million of dormitory renovations at Harvard University.

48
(—)
$125.00

AMCA International Construction Corp.
353 N. Gloster
Tupelo, MS 38801
(601) 842-3240
Robert C. Kelley, Pres.

The company, which was formerly known as JESCO, is also listed in the Design/Builders category. Current projects include a $5 million manufacturing facility for Batesville Casket Co. in Batesville, Miss.; a $7 million production facility for TNS Mills in Eufaula, Ala.; and a $6 million plant for Dennison Manufacturing in Meridian, Miss.

43
(—)
$135.26

Beers Inc.
70 Ellis St. N.E.
Atlanta, GA 30303
(404) 659-1970
L.L. Gellerstedt, Pres.

Current projects include a $31 million Life Sciences Building at Emory University, a $13 million training center for Delta Air Lines, a $10.4 million medical office building at Georgia Baptist Medical Center and the $7.9 million Piedmont Medical Center office building, all in Atlanta, and a $10 million headquarters for the Georgia Farm Bureau in Macon, Ga.

46
(32)
$130.00

Walsh Construction Co.
101 Oakview Drive
Trumbull, CT 06611
(203) 373-7900
William J. White, Pres.

Projects completed in 1987 included a $124 million Bristol-Myers Co. Pharmaceutical Research Center in Wallingford, Conn. Company was awarded construction of CityPlace II, an 18-story office building in Hartford, and is constructing a 34-story office and 24-story hotel in San Diego for the Symphony Towers Limited Partnership. It was awarded a contract for a medium security prison in Moravia, N.Y.

49
(47)
$123.05

Algernon Blair Intl.
One Algernon Blair Place
Montgomery, AL 36116
(205) 279-7300
C.B. Shewmake, Chmn.
C.B. Shewmake Jr., Pres.

Recently completed projects include the $7.7 million Fulton County (Ga.) Government Office Building in Atlanta; the $16 million Charlotte-Mecklenburg Government Center Office Building in Charlotte, N.C.; a $13 million coliseum in Charlotte; and a $23 million manufacturing facility for Northrop Corp. in Perry, Ga.

44
(45)
$131.06

J.E. Dunn Const. Co.
929 Holmes
Kansas City, MO 64106
(816) 474-8600
William Dunn, CEO

Projects completed last year included the $18 million Kansas City Marriott-Plaza Hotel, the Olathe (Kan.) Medical Center and the $22 million FountainView Office Building in Kansas City. Nearing completion is the $41 million Western Missouri Correctional Center in Cameron. Company is program manager for a $350 million new construction/renovation program for the Kansas City (Mo.) School District.

47
(—)
$128.00

Suitt Construction Co.
P.O. Box 8858
Greenville, SC 29604
(803) 250-5000
T.H. Suitt, Chmn., Pres.

Current projects include a 100,000-sq.-ft. photo film building for Konica Manufacturing in Greensboro, N.C.; a 44,000-sq.-ft. baking facility for Northeast Foods in Fredericksburg, Va.; a 40,000-sq.-ft. assembly plant for MTS Sensors in Cary, N.C.; a 238,000-sq.-ft. baking facility for Bahlsen of America in Cary, N.C.; and a 100,000-sq.-ft. expansion of an American Greetings printing plant in Bardstown, Ky.

50
(—)
$116.40

Manhattan Construction Co.
111 E. First St.
Tulsa, OK 74103
(918) 583-6900
L.F. Rooney, Pres.

Current projects include the River Center retail development in San Antonio, the Energy Center at the University of Oklahoma in Norman, the University of Texas Dental Science Facility in Houston, the Corpus Christi (Texas) City Hall, an addition and renovation of the Menger Hotel in San Antonio and the American Airlines facility maintenance building in Tulsa.

***Walsh Construction Co. is general contractor** for IBM Corp.'s $108 million West Complex in E. Fishkill, N.Y.*

SPECIALTY CONTRACTORS

CII VOLUME REMAINS STRONG AT $1.9 BILLION

Nearly 50 percent of work is in the commercial contracting market

1
(1)
$413.10

Fischbach Corp.
485 Lexington Ave.
New York, NY 10017
(212) 986-4100
Alfred R. Manville, Pres., CEO

Firm is a national, publicly held company with strong commercial, industrial, power and public works capabilities. Recent projects include the $12.6 million First Boston Data Center in New Jersey, the $35 million Trillium West office tower in Los Angeles and the $32.2 million U.S. Veterans Hospital in Houston. The Natkin Group, one of the firm's subsidiaries, is one of the leading mechanical contractors in the U.S.

Partners Construction recently completed work on the $30 million One Shoreline Plaza project located in Corpus Christi, Texas. Photo: Tom Rowland

2
(2)
$179.19

Dynalectric Co.
8300 Greensboro Drive
McLean, VA 22101
(703) 556-8000
Larry C. Brookshire, Pres.

Firm has offices located in cities around the country, including Denver, Atlanta, Las Vegas, San Diego, Los Angeles, Miami, Salt Lake City and Washington, D.C. Subsidiaries include Trans-Dyn Control Systems of Concord, Calif., and Dyn-Digital Controls located in Palo Alto, Calif. Firm is a subsidiary of publicly held Dyn Corp.

4
(4)
$123.00

Limbach Constructors Inc.
Four North Shore Center
Pittsburgh, PA 15212
(412) 359-2100
Walter F. Limbach, Pres.
Scott Limbach, Exec. VP

Recent projects include work on Cobo Hall in Detroit; an $11 million state office tower in Columbus, Ohio; Fox Chapel High School in Pittsburgh; and the $3.4 million Colorado Place in Los Angeles. Offices are located in Boston, Columbus, Detroit, Los Angeles, Orlando and Pittsburgh. Firm's technical specialty is mechanical construction.

6
(—)
$107.73

The Poole and Kent Co.
4530 Hollins Ferry Road
Baltimore, MD 21227
(301) 247-2200
William A. Touchard Jr., Pres.
Edward G. Smith, Exec. VP

Firm is a new addition to the listing this year. Recent projects include Harbor Court, the Gallery office and hotel complex and a shock trauma center in Baltimore; the Miami World Trade Center and the north wing of Baptist Hospital in Miami; and Silver Spring Metro Plaza and Centennial Towers-West in Silver Spring, Md. Firm's technical specialty entails the full scope of mechanical construction, from design through start-up.

3
(3)
$137.70

The Emde Companies
9507 Harwin
Houston, TX 77036
(713) 785-5000
William O. Emde, Chmn.
Joseph R. Sacra, Pres.

Recent projects include the $24 million Ben Taub Hospital in Houston; the $10 million American Airlines Centreport IV office building in Fort Worth; the $48 million Madigan Army Hospital in Tacoma; a high-tech research facility for American Cyanamid in Stamford, Conn.; and a four-story research laboratory for Hughes Aircraft in Malibu, Calif. The privately held firm recently acquired Scientific Air Systems Inc. Staff of 200 includes 35 registered mechanical engineers.

5
(5)
$115.60

Partners Construction Inc.
232 W. 38th St.
Houston, TX 77018
(713) 695-9770
Anthony A. Cucolo, Pres., CEO

Firm recently acquired Contract Floor Covering, one of Texas' largest floor covering companies, and an architectural woodwork company called American Architectural Components Inc., Woodwork Division. Recent projects include the 32-story NBC Building in San Antonio; the world headquarters for Browning-Ferris Industries in Houston; the $3.3 million Holland & Knight law offices in Tampa; and Texas Commerce Bank in Dallas. Firm recently opened an office in Orlando.

7
(6)
$100.20

Comstock Group Inc.
201 E. 42nd St.
New York, NY 10017
(212) 682-1020
Joseph G. Munisteri, Chmn., Pres., CEO

Firm is also listed in the Engineers category. Recent projects include a $15 million Toyota assembly plant in Georgetown, Ky.; the $35 million Javits Convention Center in New York City; and a steel/tin plant for USS/POSCO Industries in Pittsburg, Calif. Staff of 1,457 includes 13 registered structural engineers, 18 registered mechanical engineers and 15 registered electrical engineers.

Anson Industries completes Atlantic Center; Grucon anticipates increase in industrial work

8 (7) **$96.00**

Anson Industries Inc.
1959 Anson Drive
Melrose Park, IL 60160
(312) 681-1300
Charles M. Fritz, Chmn., CEO

Recent projects include Atlantic Center in Atlanta, Hotel Nikko in Chicago, a convention center in Orlando and a Pacific Bell office building in San Ramon, Calif. Offices are located in Chicago, Washington, D.C., Atlanta, Los Angeles, San Francisco and Seattle. Reconstruction was 20 percent of the firm's work and government projects were 5 percent. Subsidiaries include Anning Johnson Co. and National Interiors. Total staff numbers 125.

Twelve of the 20 leading specialty contractors expect an increase in 1988 revenues. Six of the firms project that their revenues in 1988 will remain at the same level as in 1987.

Guarantee Electrical worked on the MCI Riverfront Towers office building located in downtown St. Louis.

9 (9) **$95.00**

The Western Group
1637 N. Warson Road
St. Louis, MO 63132
(314) 427-6733
George Bishop, Chmn.
Ben Bishop, CEO

Firm's specialty is exterior masonry restoration, concrete restoration and waterproofing, and new construction waterproofing services. Recent projects include the exterior masonry restoration of the Field Museum in Chicago, new construction waterproofing for the Jimmy Carter Library in Atlanta and coating the west elevation of the U.S. Capitol in Washington, D.C. Some 80 percent of the firm's work was reconstruction.

10 (15) **$84.78**

Cleveland Consolidated Inc.
1281 Fulton Industrial Blvd., N.W.
Atlanta, GA 30336
(404) 696-4550
J.R. Cleveland Jr., Pres.

Firm's specialty is industrial contracting for the power, paper, chemical, manufacturing and food and beverage industries. Recent projects include an E.I. DuPont project in Niagara Falls, N.Y., and the First Union Bank in College Park, Ga. Staff of 92 includes two registered mechanical engineers and four registered electrical engineers. Offices are located in Atlanta, Macon and Savannah, Ga., and Little Rock, Ark.

11 (12) **$75.60**

The Scott Cos. Inc.
1919 Market St.
Oakland, CA 94604
(415) 834-2333
Joseph Guglielmo, Pres.

Revenues estimated by *BD&C*. Recent projects include the Pacific Bell office building in San Ramon, Calif., and California Plaza in Los Angeles. Firm is best-known for full-service mechanical contracting, including plumbing, ventilation, heating and fire protection. Offices are located in San Francisco, Oakland and Gardena, Calif., and Reno, Nev.

12 (20) **$72.00**

Guarantee Electrical Co.
3405 Bent Ave.
St. Louis, MO 63116
(314) 772-5400
Charles W. Oertli, Chmn.
Fred Oertli Jr., Pres.

Firm's specialty is electrical contracting for commercial, industrial, institutional and design/build projects. Current projects include the Federal Records Center in St. Louis, an addition to the O'Fallon Elementary School in O'Fallon, Ill., and the 17-story A.G. Edwards North Corporate Tower in St. Louis, which is scheduled for completion in February 1989. Offices are located in St. Louis; Granite City, Ill.; St. Peters, Mo.; and Denver, Colo.

13 (8) **$70.47**

University Industries
4464 Alvarado Canyon Road
San Diego, CA 92120
(619) 283-3181
D.J. Primuth, CEO
F.C. Kirschner, COO

Recent projects include the 11-story Rio Vista Plaza office building, the $3.5 million Scripps Memorial Hospital and a three-story convention center, all in San Diego; a 400-bed maximum security prison in Corcoran, Calif.; and a Carnation food processing plant in Bakersfield, Calif. Staff of 1,221 includes 16 registered mechanical engineers. Offices are located in San Diego, Los Angeles, San Francisco, Portland, Seattle and Tucson. Government projects were 30 percent of work.

14 (10) **$70.38**

LECO Enterprises Inc.
45 Rockefeller Plaza
New York, NY 10111
(212) 246-6000
Roberto Gorbea, Pres.

Current projects include the Hynes Convention Center in Boston. Subsidiaries of the privately held firm include Lord Electric Co. Inc., Halfhill Electric Co. Ltd., Lord International Inc., Lord Electric Co. of Puerto Rico Inc., Helmont Construction Co. Inc., Continental Lord Telecommunications Inc. and Glass Electric Co. Inc. Offices are located in New York and Albany, N.Y.; Boston; Chicago; Denver; Pittsburgh; Los Angeles; Everett, Wash.; Atlanta; Honolulu; and San Juan, Puerto Rico.

15 (11) **$61.76**

U.S. Engineering Co.
3433 Roanoke Road
Kansas City, MO 64111
(816) 753-6969
Henry Nottberg III, Pres.

Firm specializes in industrial piping, paint circulating systems, clean rooms, commercial HVAC and plumbing systems, institutional mechanical projects for hospitals, service work and industrial maintenance. Recent projects include a sophisticated heat recovery retrofit job at Bressler Hall for the University of Maryland in Baltimore, a metal container plant for Anheuser-Busch's new brewery in Windsor, Colo., and a plant for General Motors in Kansas City, Mo.

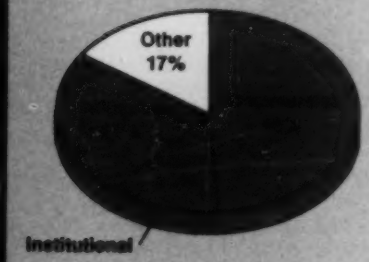
16 (16) **$39.62**

The Fisk Group
111 T.C. Jester
Houston, TX 77007
(713) 869-5040
Wallace Brasuell, Pres.

Firm is recognized for its electrical work in high-rise office buildings and large industrial and commercial projects. Recent projects include 500 Boylston, an 800,000-sq.-ft. mixed-use development in Boston, the 52-story Heritage Plaza office building, the Wortham Theatre and the 1,000-bed Ben Taub Hospital, all in Houston. Offices are located in Houston, Dallas, San Antonio and Pasadena, all in Texas, and New Orleans. Parent firm is AMEC plc, located in the U.K.

The 52-story Heritage Plaza office building, located in Houston, is a recent project of the Fisk Group, which ranked 16th this year. Photo: Mark Scheyer

Breakdown of the Specialty Contractors' Construction



17 (—) **$35.00**

Cobbledick-Kibbe Inc.
1001 Marina Village Parkway
Alameda, CA 94501
(415) 769-6464
Lloyd N. Cobbledick, Chmn.
Herbert M. Elliott, Pres., CEO

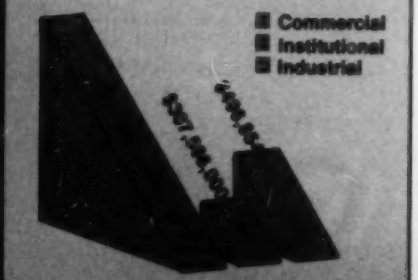
Firm is a new addition to the listing this year. Technical specialty is large-scale commercial glazing and curtain wall installation services. Current projects include glazing and curtain wall installation for the 40-story San Francisco Marriott Hotel, one of the largest projects ever undertaken by the firm. Offices are located in Sacramento, San Francisco, San Jose and Anaheim, Calif.

19 (17) **$28.95**

John E. Green Co.
220 Victor Ave.
Highland Park, MI 48203
(313) 868-2400
Donald P. Green, Chmn.

Firm is recognized for its mechanical and fire suppression work in the institutional, commercial, industrial and municipal sectors. Recent projects include the $6.8 million University of Michigan Maternal & Child Health Care Center in Ann Arbor, Mich., the $3 million restoration of the Wayne County Courthouse and the 200,000-sq.-ft. Rehabilitation Institute, both in Detroit. Offices are located in Saginaw, Ann Arbor and Lansing, Mich.

Value of the Specialty Contractors' Construction (% change)



18 (19) **$29.77**

Williard Inc.
375 Highland Ave.
Jenkintown, PA 19046
(215) 885-5000
Joseph F. Doody, Pres., CEO

Recent projects include a $4.2 million electrical job for United Parcel Service at its 500,000-sq.-ft. East Coast hub building in Tinicum Township, Pa.; HVAC and plumbing work in the 50-story Blue Cross building, and sheet metal fabrication for the 2 million-sq.-ft. Franklin Mills shopping mall, both in Philadelphia. Firm is best known for its HVAC, sheet metal and electrical/mechanical systems in commercial buildings. Parent firm is CGE, located in France.

20 (18) **$27.87**

Grucon
307 W. Layton Ave.
Milwaukee, WI 53201
(414) 769-5400
Gary P. Grunau, Chmn., Pres.

Firm was listed last year as Grunau Company Inc. Recent projects include the Milwaukee Center office complex and Schlitz Park, a conversion of a plant to offices, both located in Milwaukee; the renovation of the Purdue Union hotel in West Lafayette, Ind.; an IBM office building in Dallas; and the Diamond Star automobile factory in Bloomington, Ill. Firm expects an increase in industrial work within the next 18 months. Reconstruction was 40 percent of the firm's work.

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